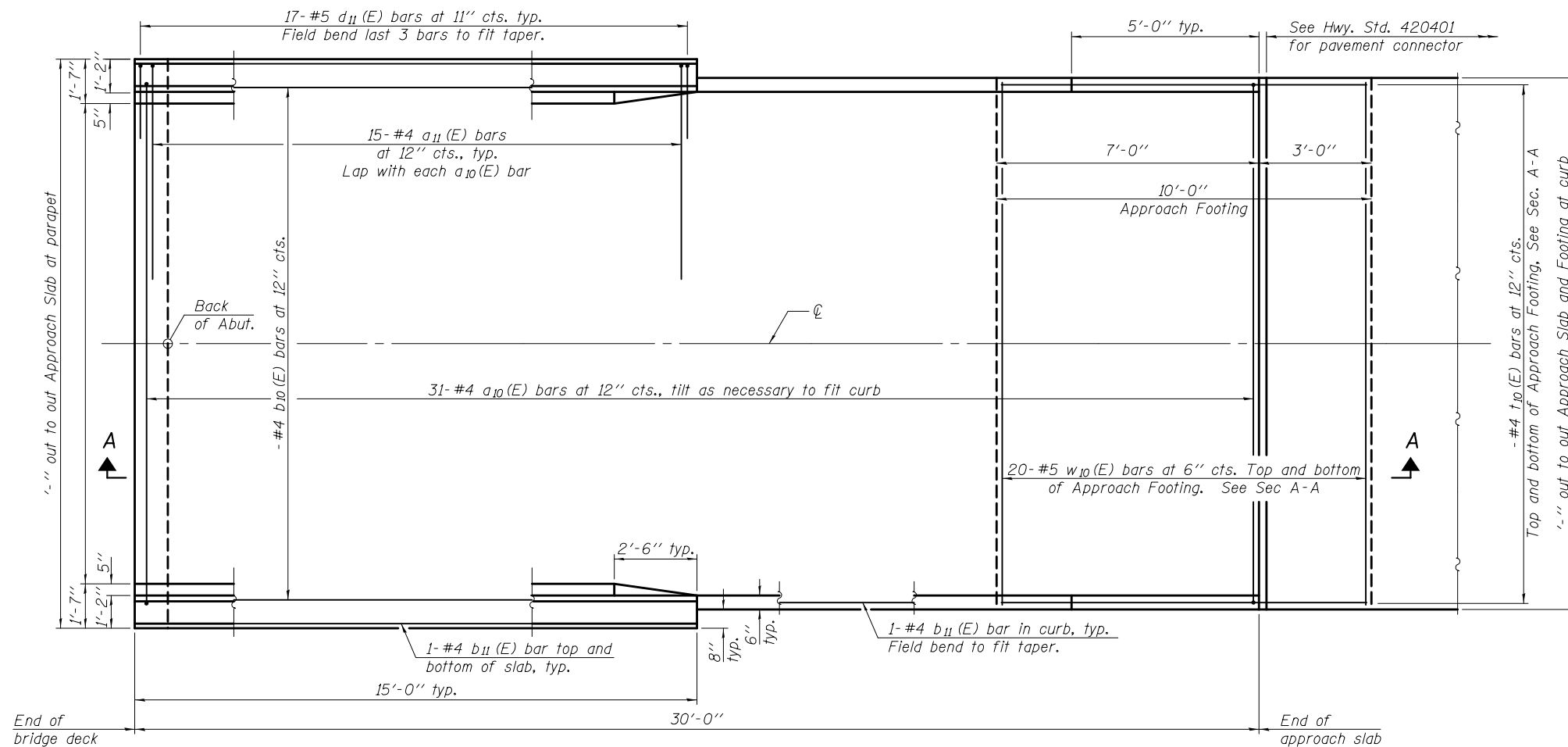
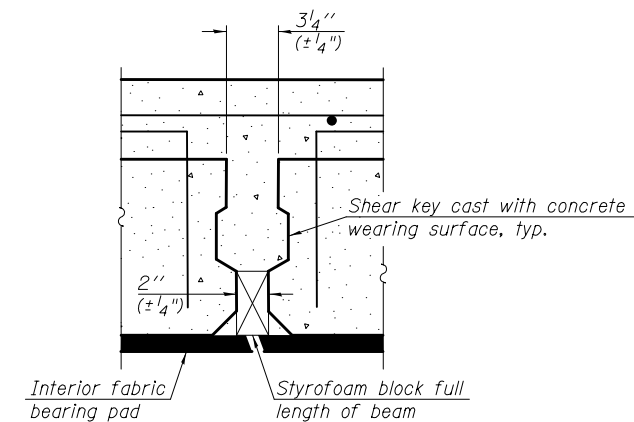


CELL / MODEL NAME	DESCRIPTION	DATE
BA-P-34FS-0 (1 of 3)	Bridge Approach; Precast; 34 in. F Shape; No skew	11/22/2016
BA-P-34FS-0 (2 of 3)	Bridge Approach; Precast; 34 in. F shape; No skew	11/22/2016
BA-P-34FS-0 (3 of 3)	Bridge Approach; Precast; 34 in. F shape; No skew	11/22/2016
BA-P-34FS-L-Greater than 30 degrees (1 of 3)	Bridge Approach; Precast; 34 in. F shape; Left skew; Greater than 30 degrees	11/22/2016
BA-P-34FS-L-Greater than 30 degrees (2 of 3)	Bridge Approach; Precast; 34 in. F shape; Left skew; Greater than 30 degrees	11/22/2016
BA-P-34FS-L-Greater than 30 degrees (3 of 3)	Bridge Approach; Precast; 34 in. F shape; Left skew; Greater than 30 degrees	11/22/2016
BA-P-34FS-L-Less than or equal to 30 degrees (1 of 3)	Bridge Approach; Precast; 34 in. F shape; Left skew; Less than or equal to 30 degrees	11/22/2016
BA-P-34FS-L-Less than or equal to 30 degrees (2 of 3)	Bridge Approach; Precast; 34 in. F shape; Left skew; Less than or equal to 30 degrees	11/22/2016
BA-P-34FS-L-Less than or equal to 30 degrees (3 of 3)	Bridge Approach; Precast; 34 in. F shape; Left skew; Less than or equal to 30 degrees	11/22/2016
BA-P-34FS-R-Greater than 30 degrees (1 of 3)	Bridge Approach; Precast; 34 in. F shape; Right skew; Greater than 30 degrees	11/22/2016
BA-P-34FS-R-Greater than 30 degrees (2 of 3)	Bridge Approach; Precast; 34 in. F shape; Right skew; Greater than 30 degrees	11/22/2016
BA-P-34FS-R-Greater than 30 degrees (3 of 3)	Bridge Approach; Precast; 34 in. F shape; Right skew; Greater than 30 degrees	11/22/2016
BA-P-34FS-R-Less than or equal to 30 degrees (1 of 3)	Bridge Approach; Precast; 34 in. F shape; Right skew; Less than or equal to 30 degrees	11/22/2016
BA-P-34FS-R-Less than or equal to 30 degrees (2 of 3)	Bridge Approach; Precast; 34 in. F shape; Right skew; Less than or equal to 30 degrees	11/22/2016
BA-P-34FS-R-Less than or equal to 30 degrees (3 of 3)	Bridge Approach; Precast; 34 in. F shape; Right skew; Less than or equal to 30 degrees	11/22/2016
BA-P-42FS-0 (1 of 3)	Bridge Approach; Precast; 42 in. F Shape; No skew	11/22/2016

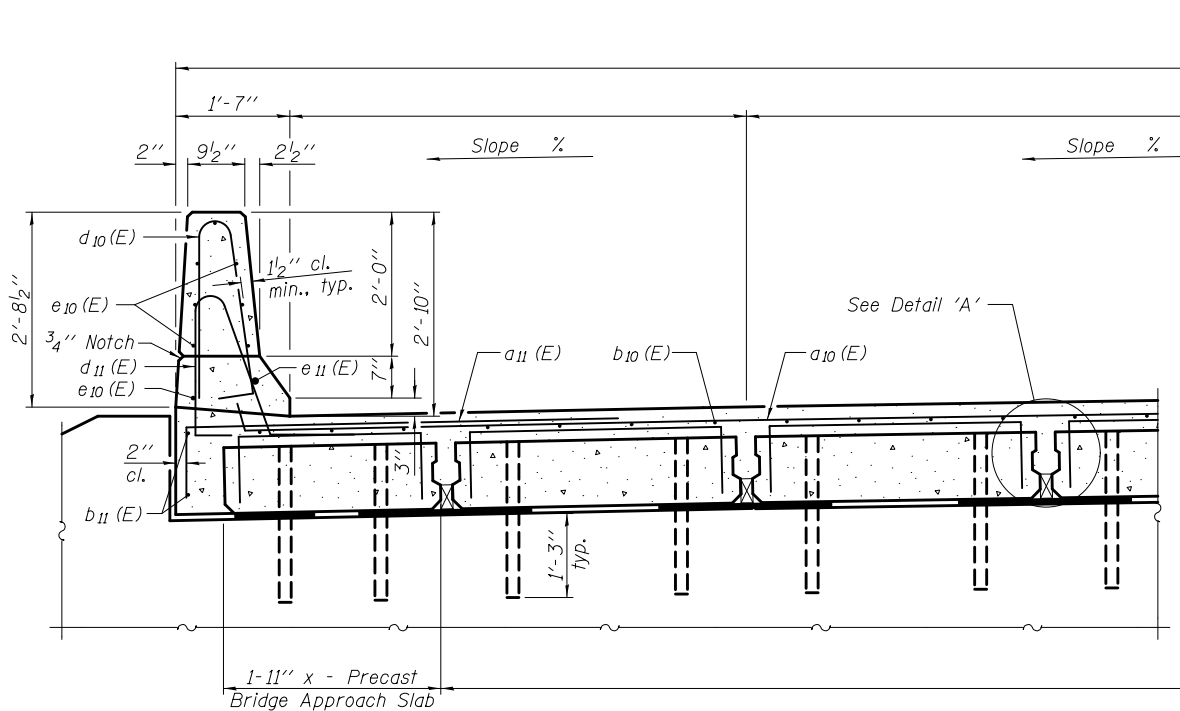
CELL / MODEL NAME	DESCRIPTION	DATE
BA-P-42FS-0 (2 of 3)	Bridge Approach; Precast; 42 in. F shape; No skew	11/22/2016
BA-P-42FS-0 (3 of 3)	Bridge Approach; Precast; 42 in. F shape; No skew	11/22/2016



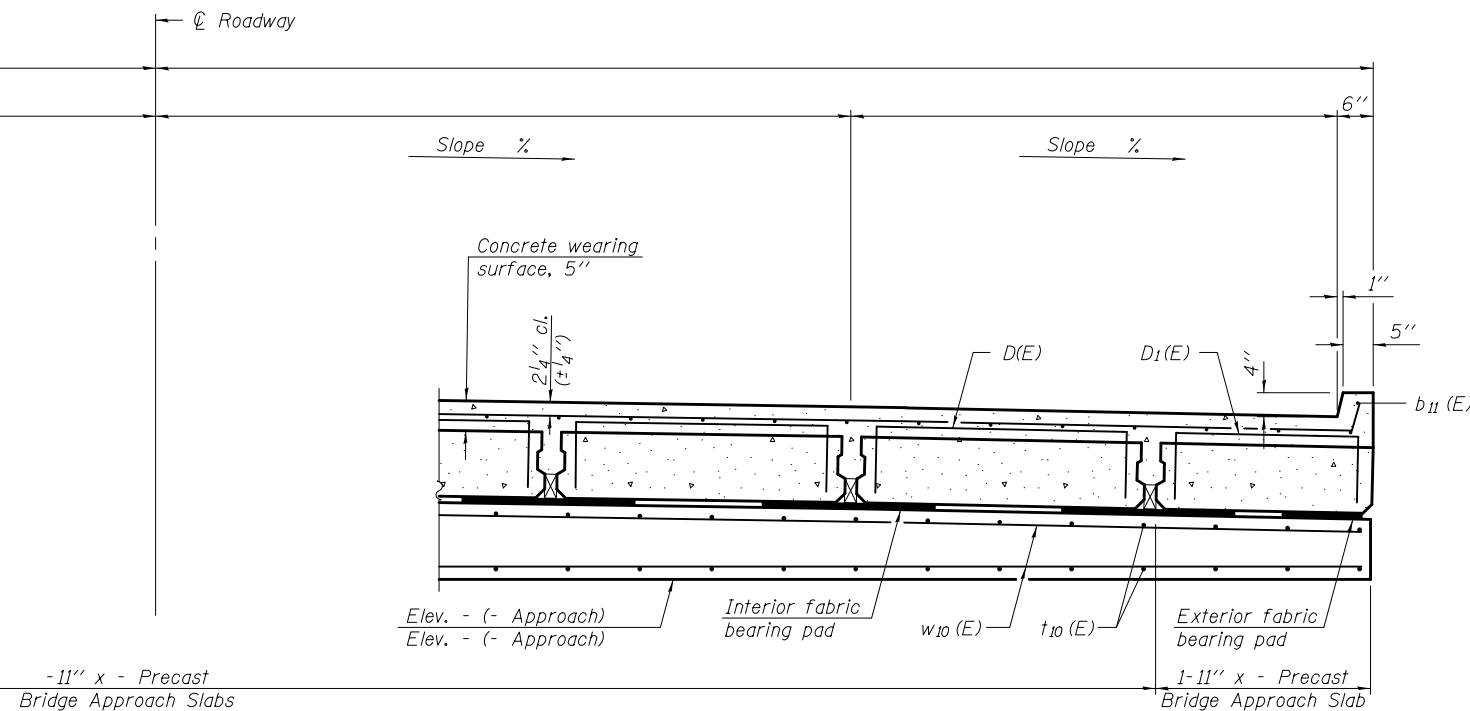
PLAN



DETAIL 'A'



NEAR ABUTMENT



AT APPROACH FOOTING

CROSS SECTION  
(Looking )

(Sheet 1 of 3)

BA-P-34FS-0

11-22-2016

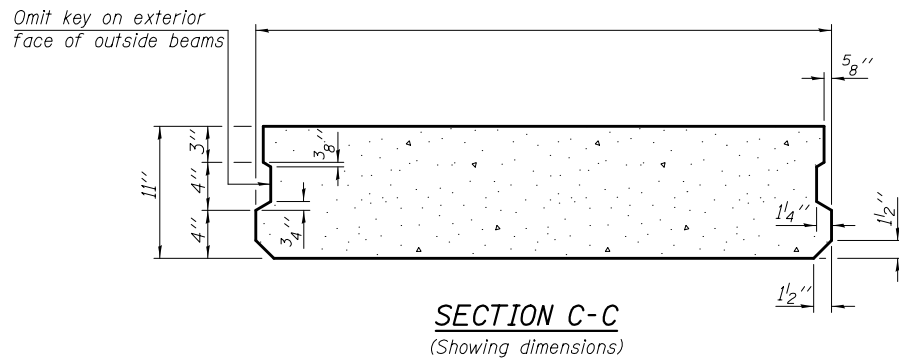
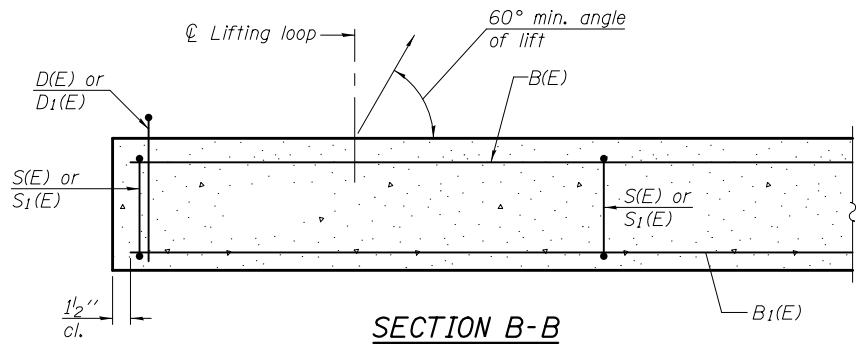
(Beams: 36" min. width; 72" max. width)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

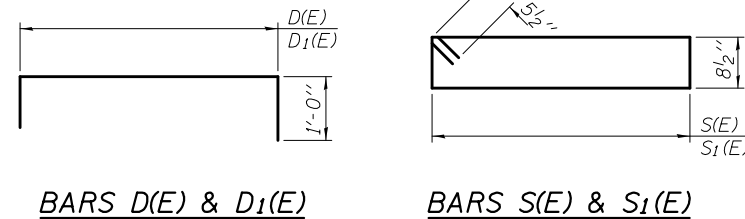
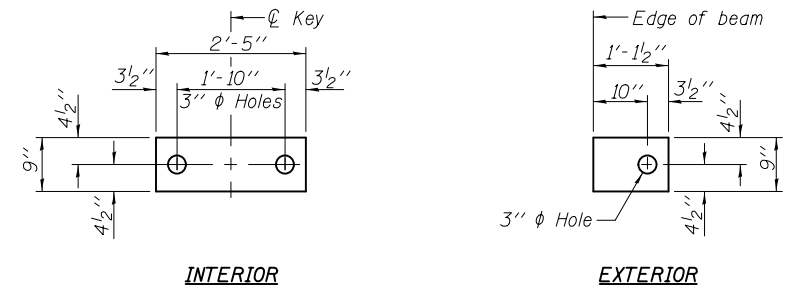
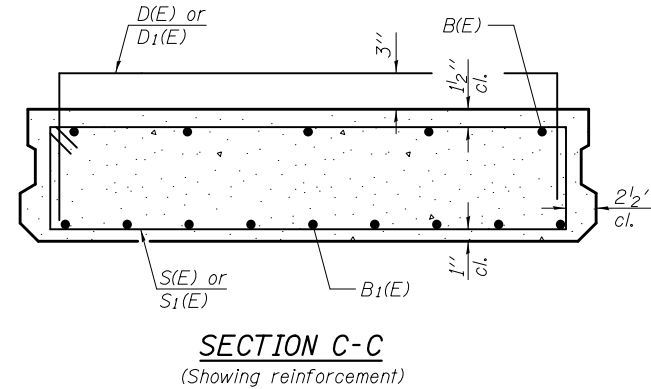
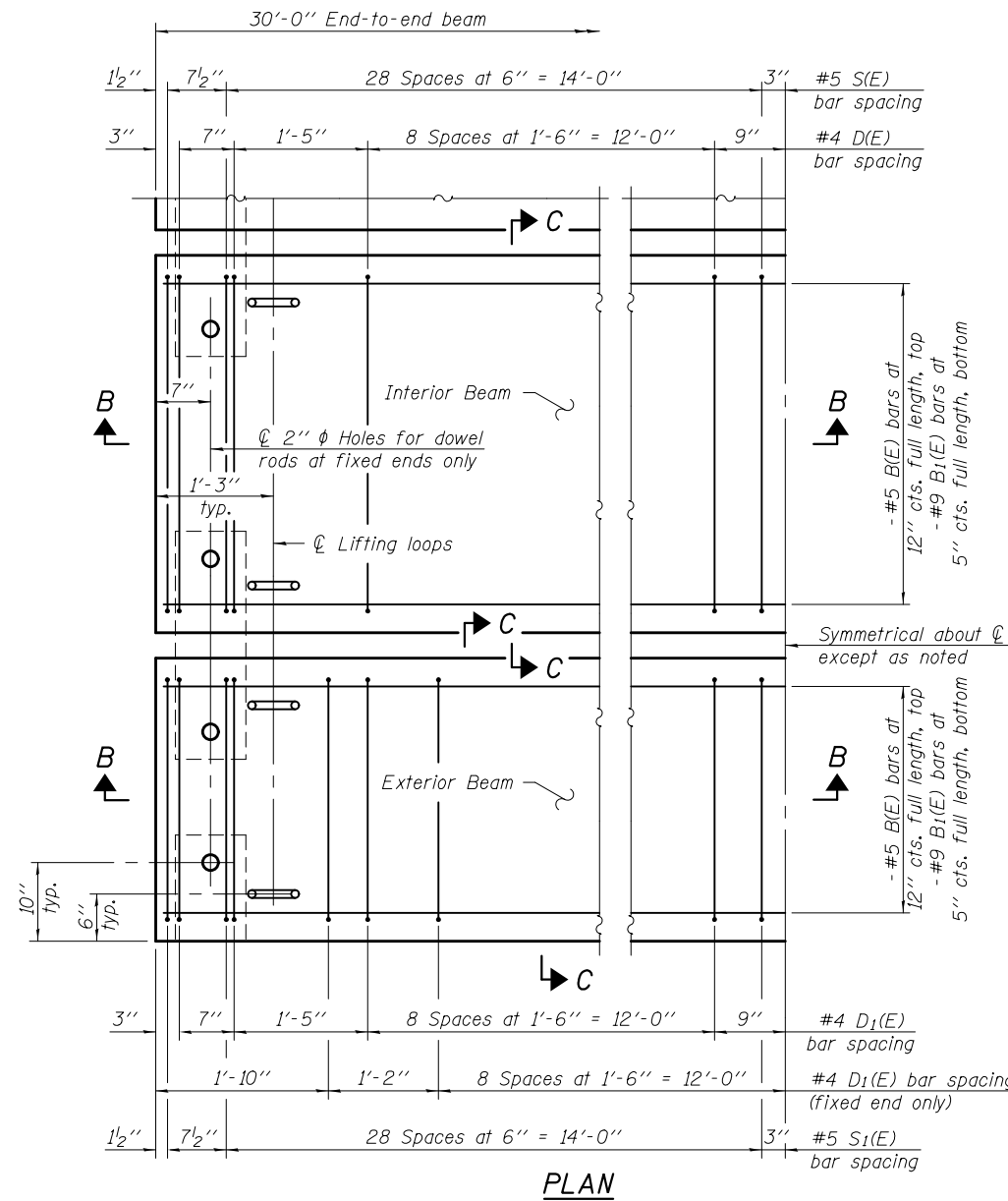
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST BRIDGE APPROACH SLAB  
STRUCTURE NO.

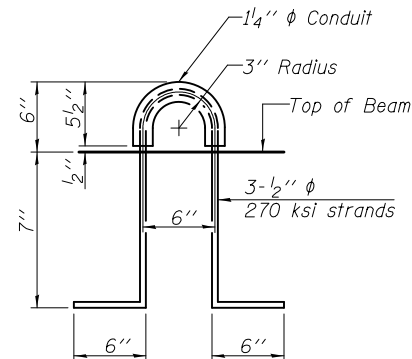
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



Notes:  
 The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Bridge Approach Slab.  
 Cast-in-place substitution of Precast Bridge Approach Slab is not allowed.  
 The top surface of precast bridge approach slabs shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."  
 Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.  
 A minimum 2 1/2"  $\phi$  lifting pins shall be used to engage the lifting loops during handling.  
 Compressive strength of precast concrete,  $f'c$  shall be 6,000 psi.  
 Compressive strength of precast concrete during initial lifting,  $f'ci$  shall be 5,000 psi.



Notes:  
 All bearing pads shall be 1/2" thick.  
 Omit holes for fabric bearing pads at approach slab footing end of beams.  
 Expansion bearing pad shall be bonded to the approach slab footing.



**BAR LIST  
EACH INTERIOR BEAM**  
(For information only)

Bar	No.	Size	Length	Shape
B(E)		#5	29'-8"	—
B1(E)		#9	29'-8"	—
D(E)	22	#4		□
S(E)	58	#5		▨

**BAR LIST  
EACH EXTERIOR BEAM**  
(For information only)

Bar	No.	Size	Length	Shape
B(E)		#5	29'-8"	—
B1(E)		#9	29'-8"	—
D1(E)	32	#4		□
S1(E)	58	#5		▨

BA-P-34FS-0

11-22-2016

(Beams: 36" min. width; 72" max. width)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

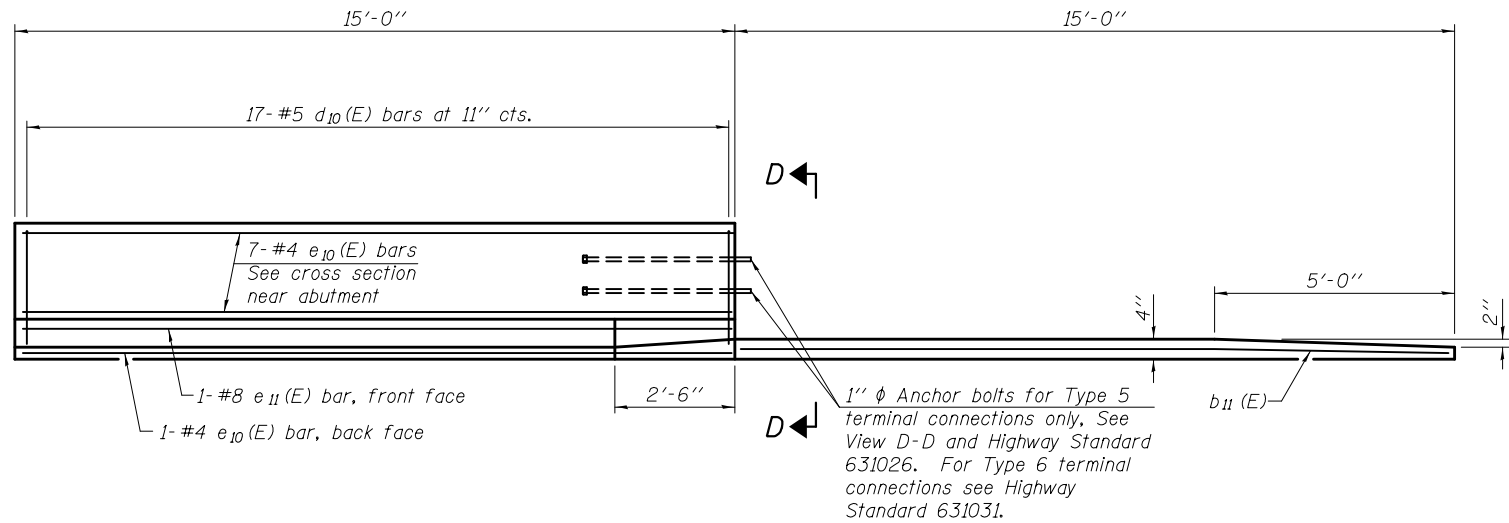
PRECAST BRIDGE APPROACH SLAB  
STUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

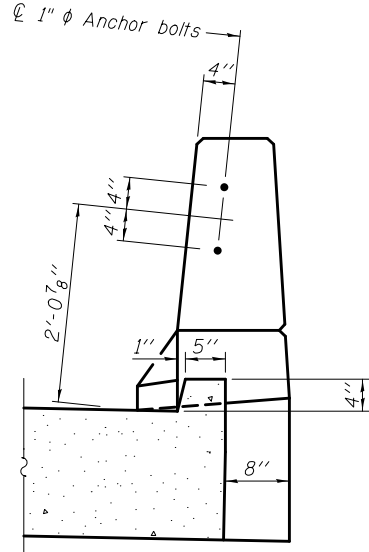
ILLINOIS FED. AID PROJECT

(Sheet 2 of 3)

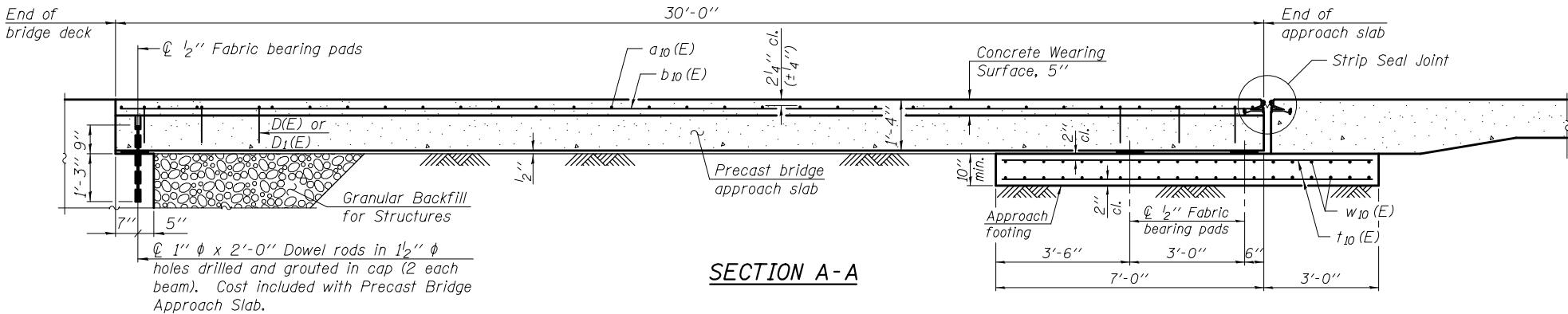
(An alternate lifting loop with a proof load of 25,000 lbs. and utilized according to the manufacturer's recommendations may be used)



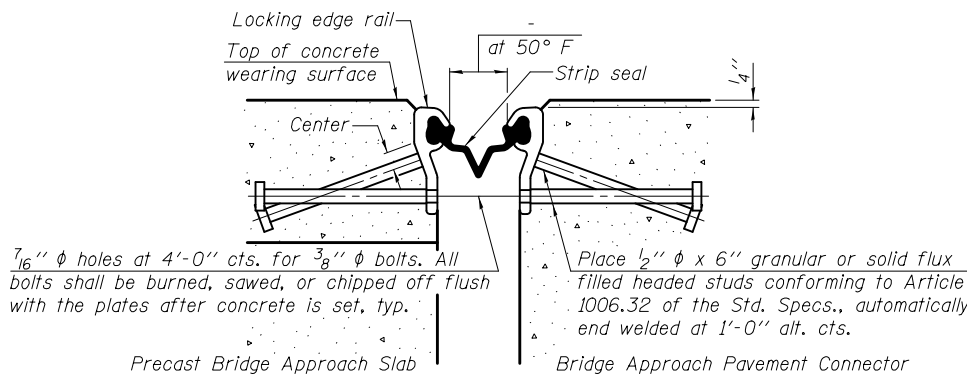
INSIDE ELEVATION OF PARAPET AND CURB



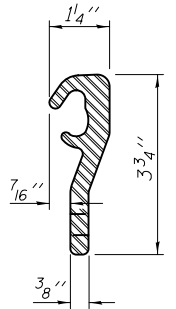
VIEW D-D



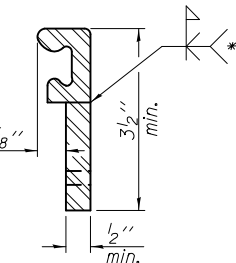
SECTION A-A



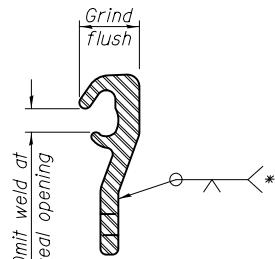
SECTION THRU STRIP SEAL JOINT



ROLLED (EXTRUDED) RAIL



WELDED RAIL

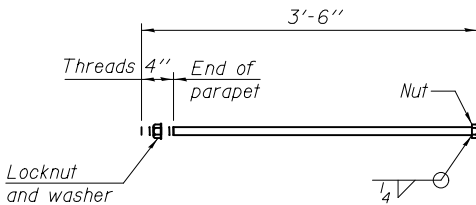


LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

LOCKING EDGE RAIL

\* Back gouge not required if complete joint penetration is verified by mock-up.



1" diameter ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications. Cost of anchor bolt assemblies included with Concrete Superstructure)

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

After precast bridge approach slabs have been erected, holes shall be drilled into abutment and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of precast slab and cured according to Article 1020.13(a)(3) or 1020.13(a)(5) of the Standard Specifications for a minimum of 24 hours before casting the shear keys and wearing surface.

Any concrete poured monolithically with the wearing surface, such as curbs, shall not be paid for separately, but will be included in the cost of Concrete Wearing Surface, 5".

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The strip seal shall extend 6" beyond the edge of the approach slab on each end. The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

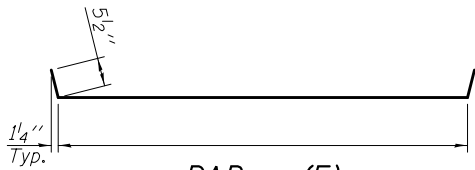
Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet concrete shall be paid for as Concrete Superstructure.

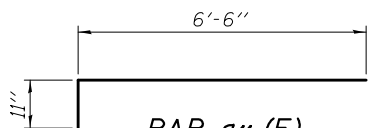
Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf. Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet of .



BAR a10 (E)

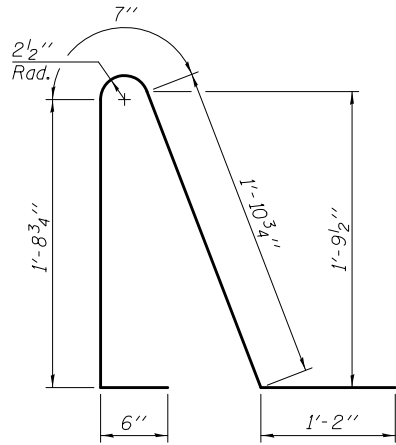


BAR a11 (E)

TWO APPROACHES  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10 (E)	62	#4		
a11 (E)	60	#4	7'-5"	
b10 (E)		#4	29'-8"	
b11 (E)	12	#4	14'-8"	
d10 (E)	68	#5	5'-7"	
d11 (E)	68	#5	5'-11"	
e10 (E)	32	#4	14'-8"	
e11 (E)	4	#8	14'-8"	
t10 (E)		#4	9'-8"	
w10 (E)	80	#5		
Concrete Superstructure			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Precast Bridge Approach Slab			Sq. Ft.	
Concrete Wearing Surface, 5"			Sq. Yd.	
Preformed Joint Strip Seal			Foot	

BAR d10 (E)



BAR d11 (E)

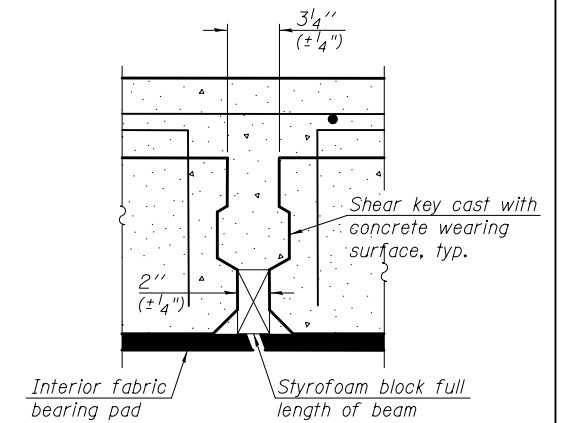
BA-P-34FS-0

11-22-2016

(Beams: 36" min. width; 72" max. width)

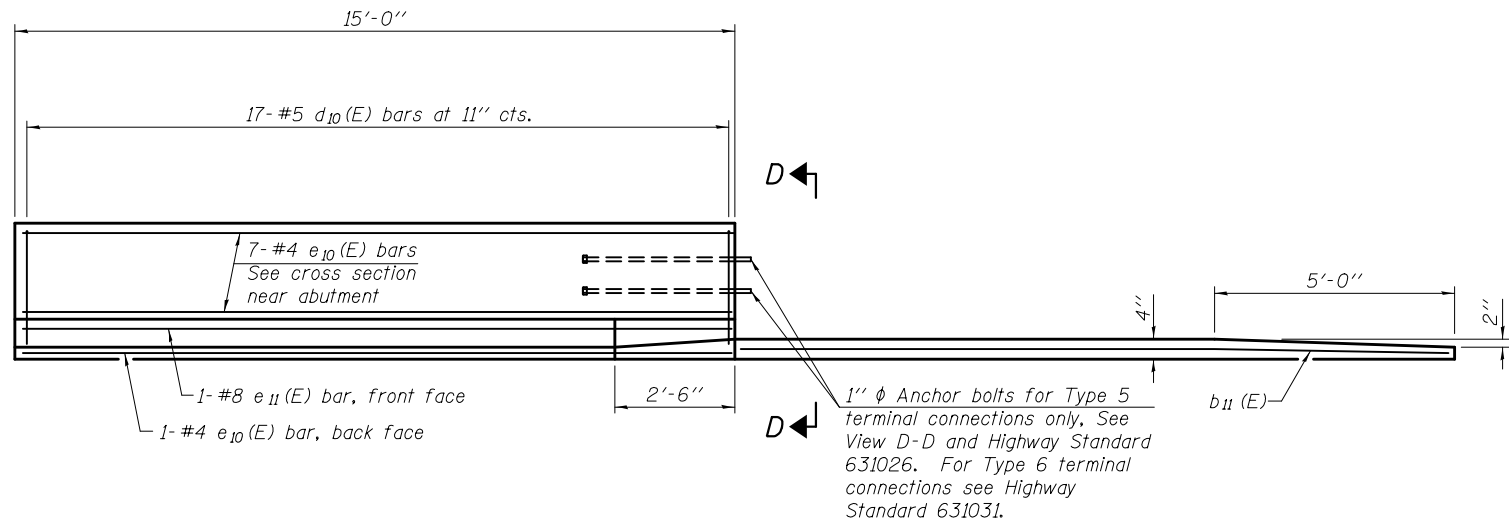
(Sheet 3 of 3)

FILE NAME =	USER NAME =	DESIGNED -	REvised -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST BRIDGE APPROACH SLAB STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REvised -							
PLOT SCALE =	PLOT DATE =	DRAWN -	REvised -			CONTRACT NO.				
		CHECKED -	REvised -			ILLINOIS FED. AID PROJECT				

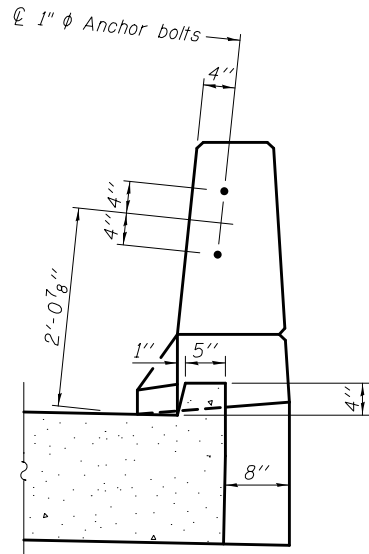


FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<div style="text-align: center;"> <b>STATE OF ILLINOIS</b>  <b>DEPARTMENT OF TRANSPORTATION</b> </div>	<div style="text-align: center;"> <b>PRECAST BRIDGE APPROACH SLAB</b>  <b>STUCTURE NO.</b> </div>	<div style="text-align: center;"> <b>CONTRACT NO.</b> </div>	<div style="text-align: center;"> <b>ILLINOIS FED. AID PROJECT</b> </div>
	CHECKED -	REVISED -					
PLOT SCALE =	DRAWN -	REVISED -					
PLOT DATE =	CHECKED -	REVISED -					

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



INSIDE ELEVATION OF PARAPET AND CURB



VIEW D-D

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

After precast bridge approach slabs have been erected, holes shall be drilled into abutment and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of precast slab and cured according to Article 1020.13(a)(3) or 1020.13(a)(5) of the Standard Specifications for a minimum of 24 hours before casting the shear keys and wearing surface.

Any concrete poured monolithically with the wearing surface, such as curbs, shall not be paid for separately, but will be included in the cost of Concrete Wearing Surface, 5".

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The strip seal shall extend 6" beyond the edge of the approach slab on each end. The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

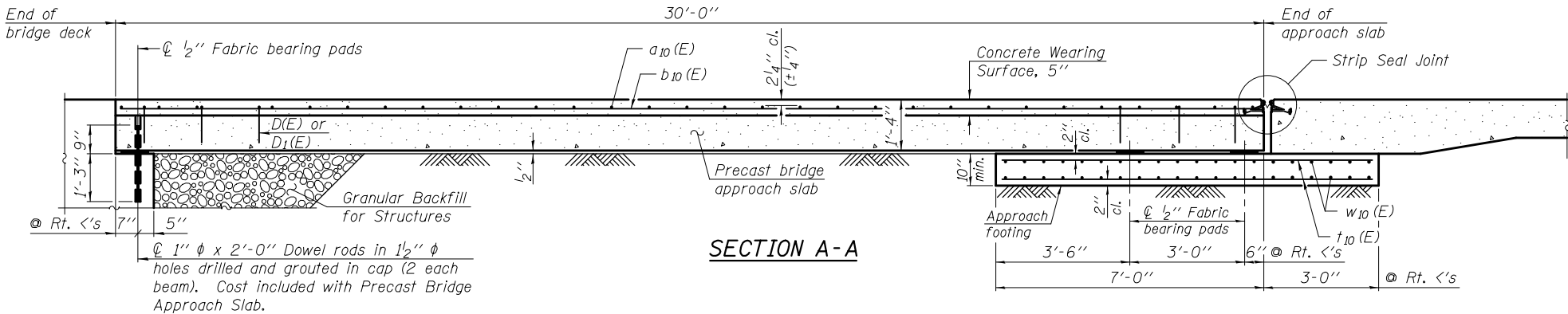
Parapet concrete shall be paid for as Concrete Superstructure.

Approach footing concrete shall be paid for as Concrete Structures.

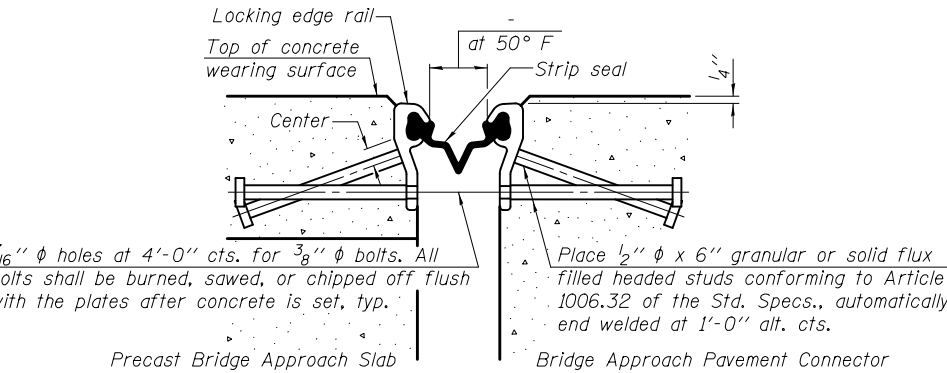
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet of .

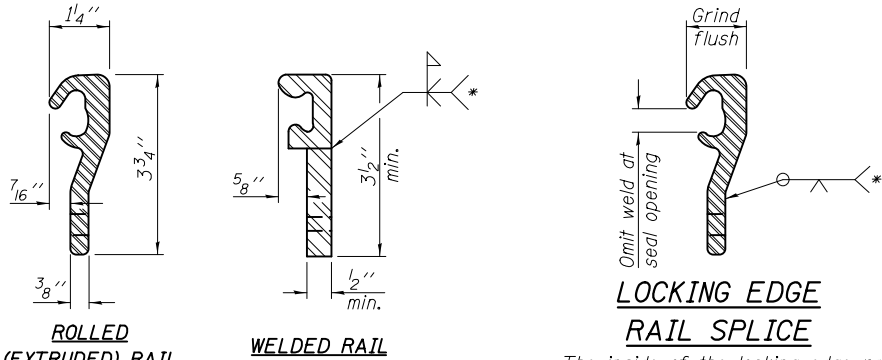


SECTION A-A



SECTION THRU STRIP SEAL JOINT

(@ Rt. <'s)

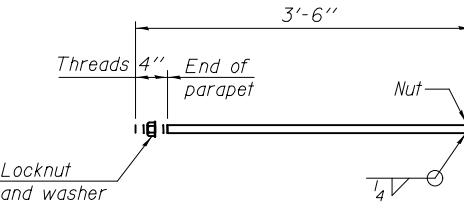


LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

LOCKING EDGE RAIL

\* Back gouge not required if complete joint penetration is verified by mock-up.



1" φ ANCHOR BOLT

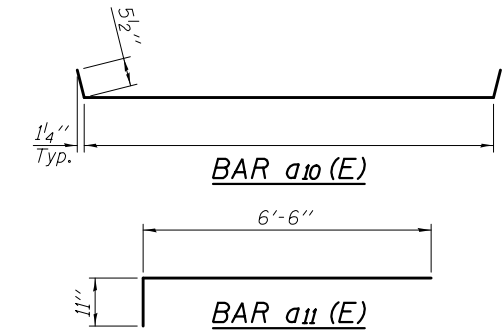
(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications. Cost of anchor bolt assemblies included with Concrete Superstructure)

BA-P-34FS-L(>30°)

11-22-2016

(Beams: 36" min. width; 72" max. width)

(Sheet 3 of 3)



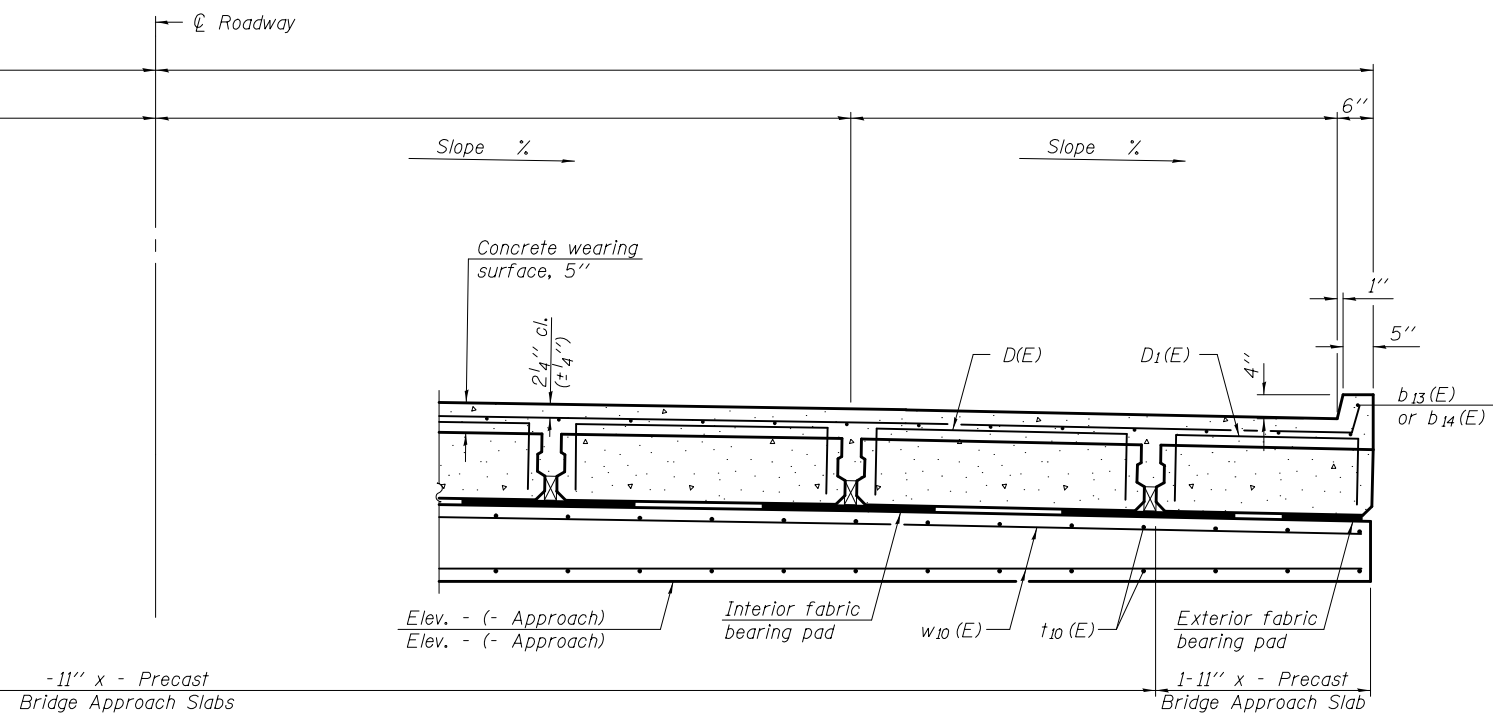
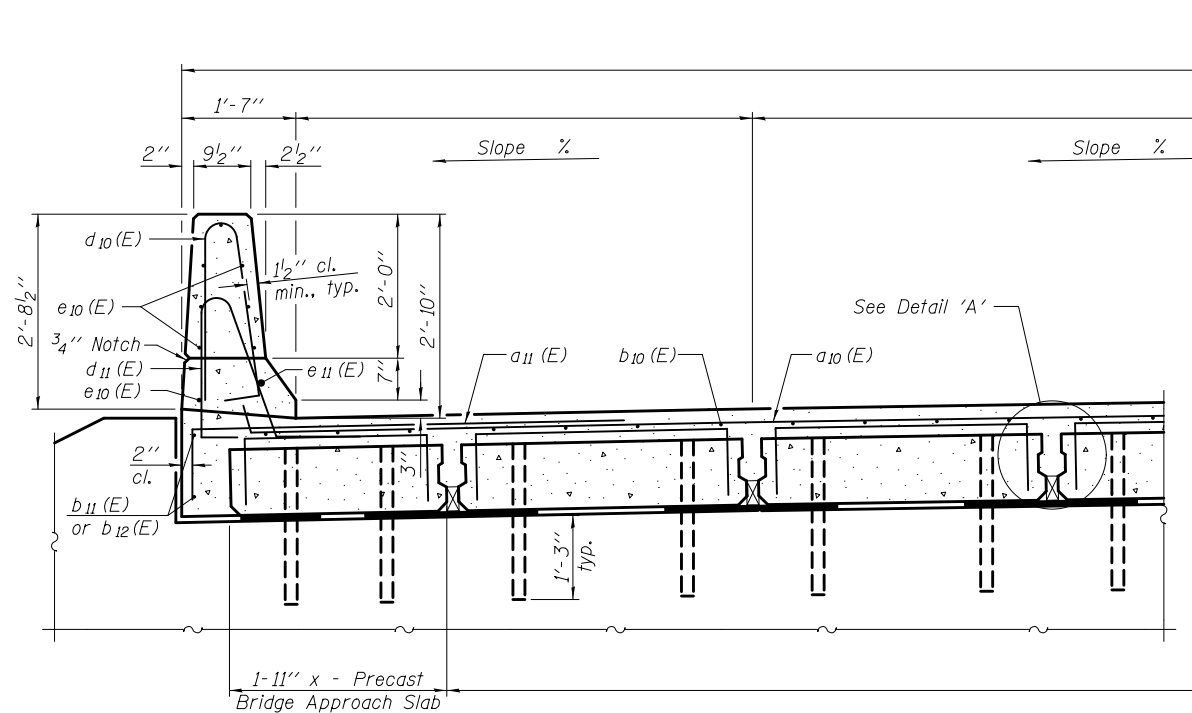
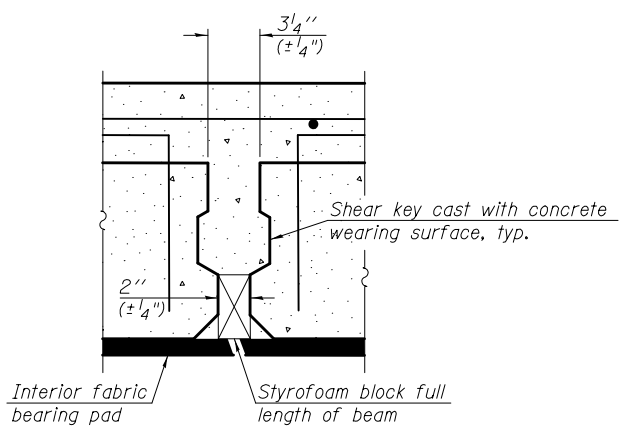
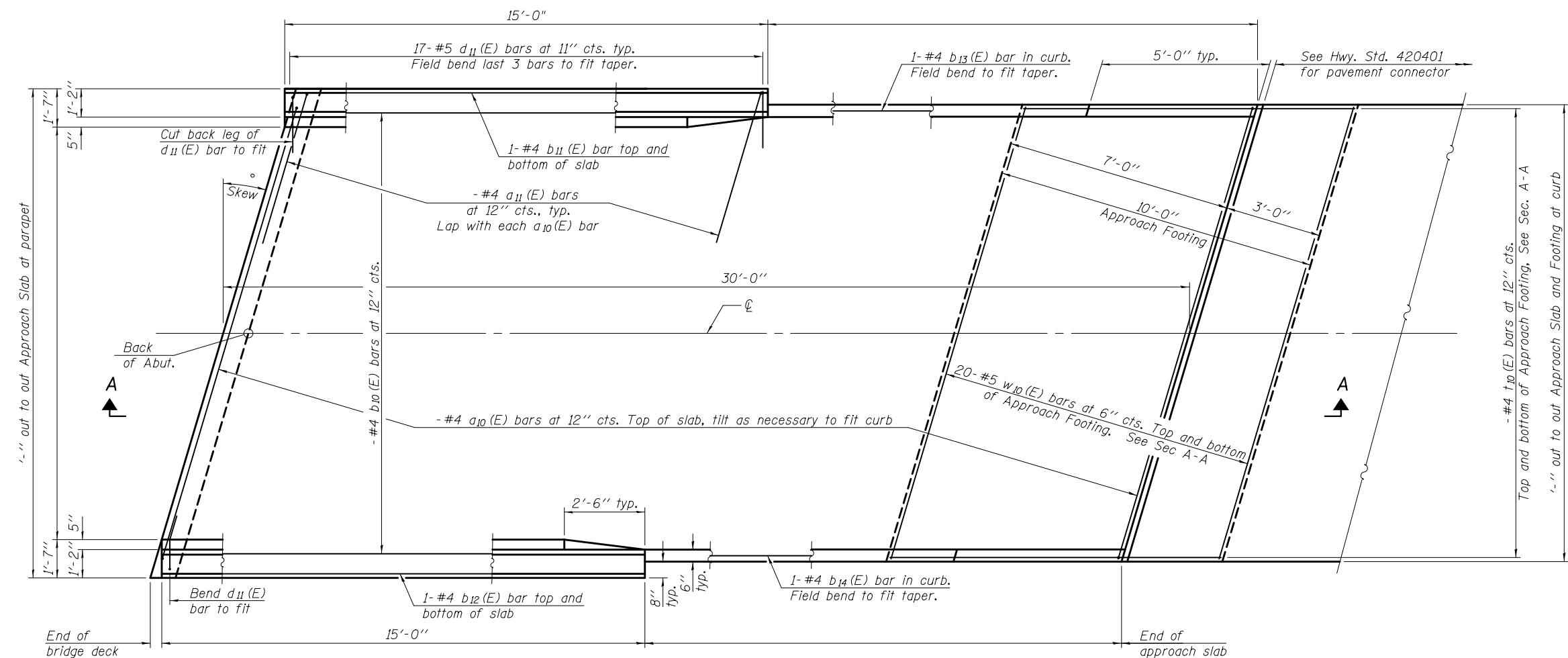
BAR a10(E)

BAR a11(E)

TWO APPROACHES - BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)		#4		
a11(E)		#4	7'-5"	
b10(E)		#4	29'-8"	
b11(E)	12	#4	14'-8"	
b12(E)		#4		
b13(E)		#4		
b14(E)		#4		
d10(E)	68	#5	5'-7"	
d11(E)	68	#5	5'-11"	
e10(E)	32	#4	14'-8"	
e11(E)	4	#8	14'-8"	
f10(E)		#4	9'-8"	
w10(E)	80	#5		
Concrete Superstructure			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Precast Bridge Approach Slab			Sq. Ft.	
Concrete Wearing Surface, 5"			Sq. Yd.	
Preformed Joint Strip Seal			Foot	

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST BRIDGE APPROACH SLAB STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED -								
		PLOT SCALE =	REVISED -								
		PLOT DATE =	REVISED -								
CONTRACT NO.											
ILLINOIS FED. AID PROJECT											



BA-P-34FS-L( $\leq 30^\circ$ )

11-22-2016

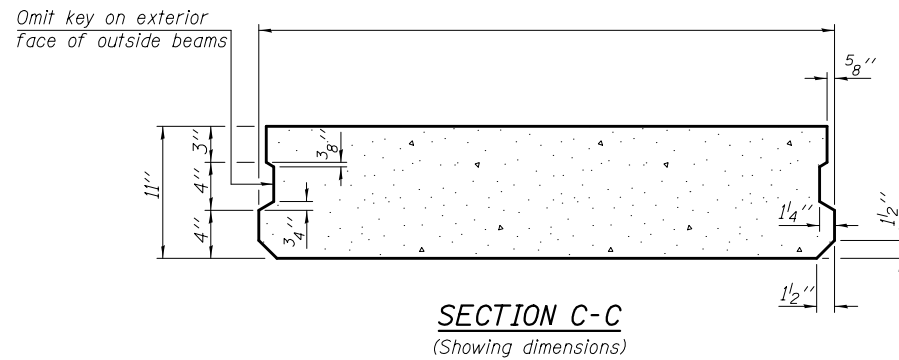
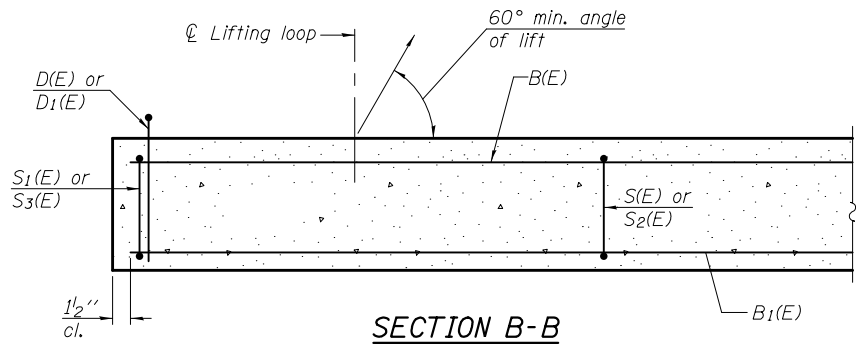
(Beams: 36" min. width; 72" max. width)

CROSS SECTION  
(Looking )

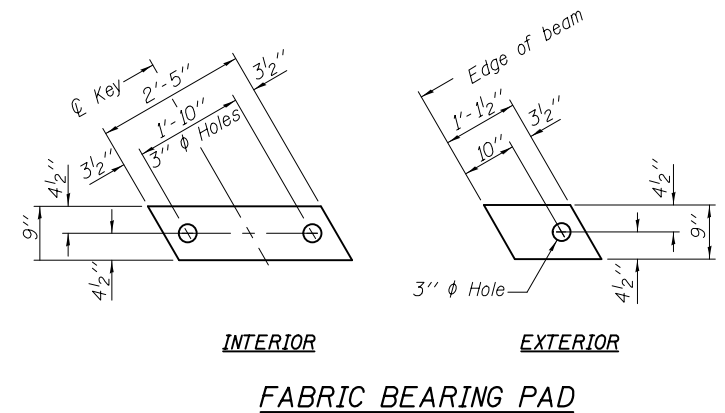
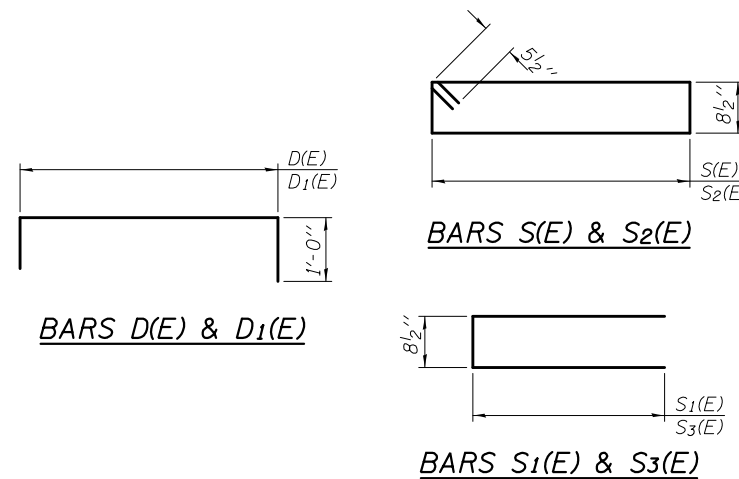
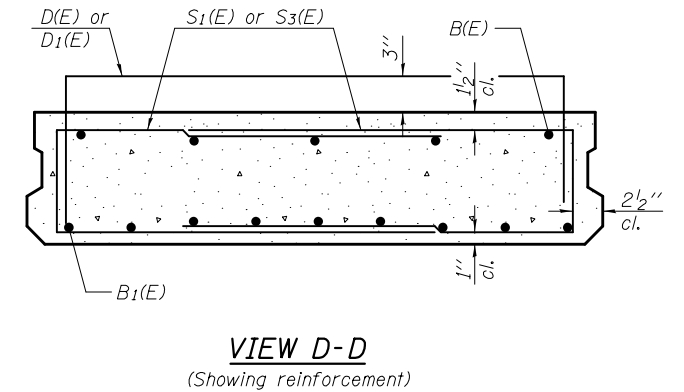
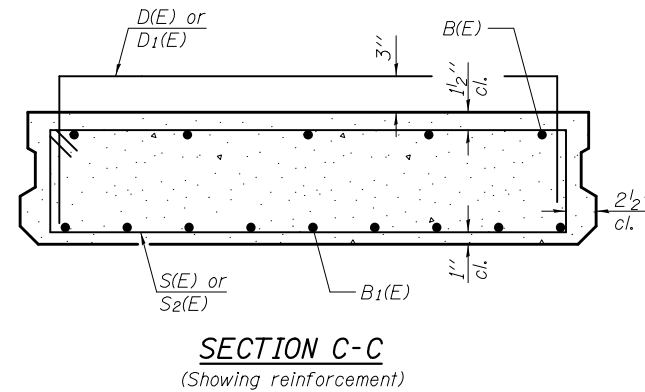
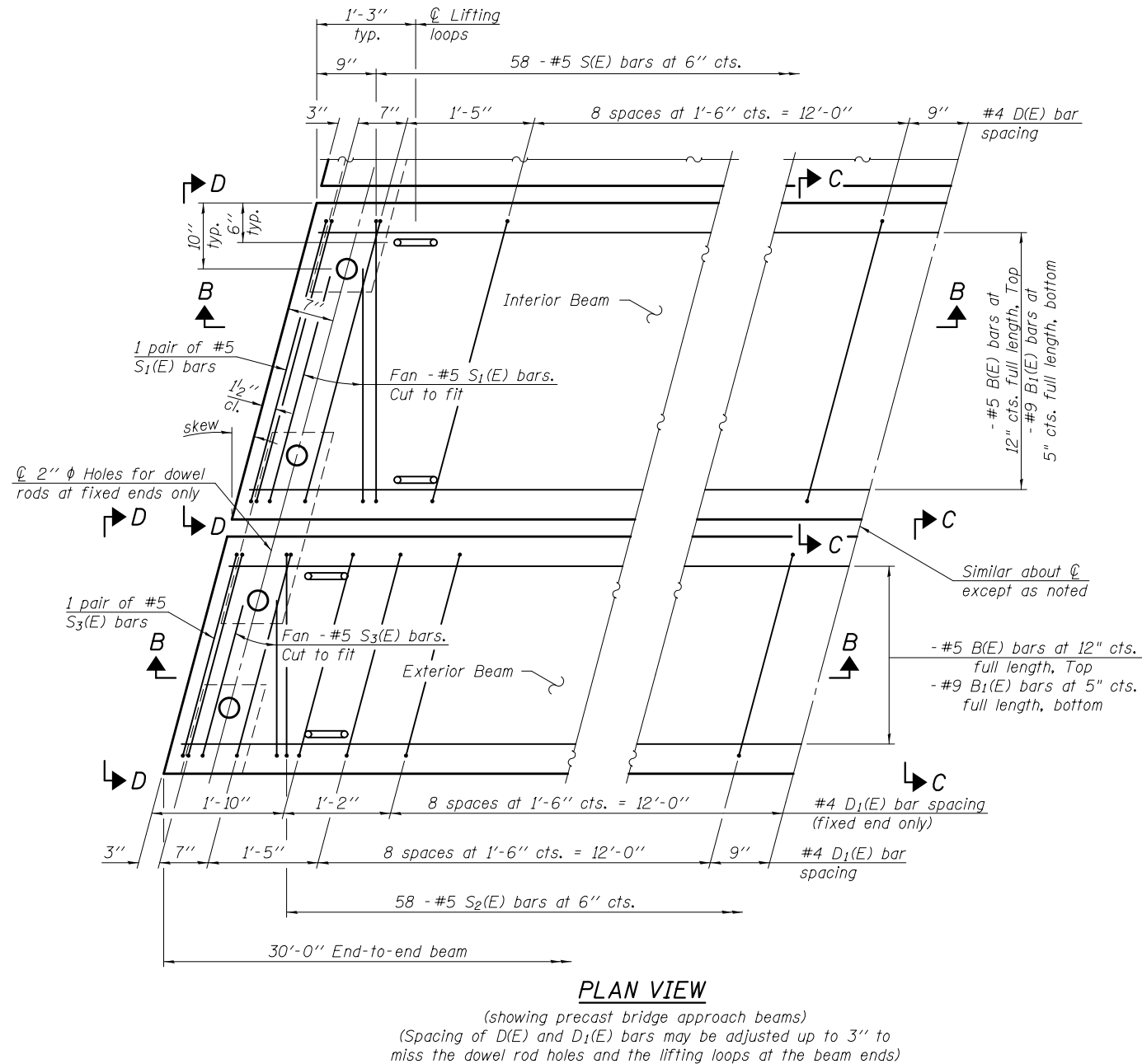
AT APPROACH FOOTING

(Sheet 1 of 3)

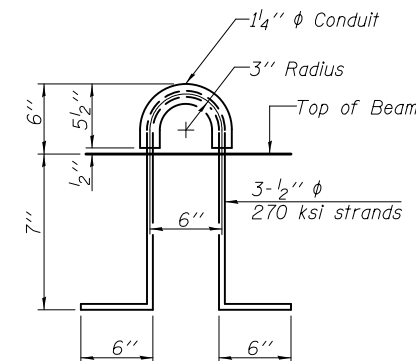
FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>PRECAST BRIDGE APPROACH SLAB</b> <b>STUCTURE NO.</b></p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -							
PLOT SCALE =		DRAWN -	REVISED -							
PLOT DATE =		CHECKED -	REVISED -							
						CONTRACT NO.				
						ILLINOIS FED. AID PROJECT				



Notes:  
 The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Bridge Approach Slab.  
 Cast-in-place substitution of Precast Bridge Approach Slab is not allowed.  
 The top surface of precast bridge approach slabs shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."  
 Two 1/8 inch fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.  
 A minimum 2 1/2 inch diameter lifting pins shall be used to engage the lifting loops during handling.  
 Compressive strength of precast concrete,  $f'_c$  shall be 6,000 psi.  
 Compressive strength of precast concrete during initial lifting,  $f'_{ci}$  shall be 5,000 psi.



Notes:  
 All bearing pads shall be 1/2 inch thick.  
 Omit holes for fabric bearing pads at approach slab footing end of beams.  
 Expansion bearing pad shall be bonded to the approach slab footing.



**BAR LIST**  
**EACH INTERIOR BEAM**  
 (For information only)

Bar	No.	Size	Length	Shape
B(E)		#5	29'-8"	—
B1(E)		#9	29'-8"	—
D(E)	22	#4		□
S(E)	58	#5		□
S1(E)		#5		□

**BAR LIST**  
**EACH EXTERIOR BEAM**  
 (For information only)

Bar	No.	Size	Length	Shape
B(E)		#5	29'-8"	—
B1(E)		#9	29'-8"	—
D1(E)	32	#4		□
S2(E)	58	#5		□
S3(E)		#5		□

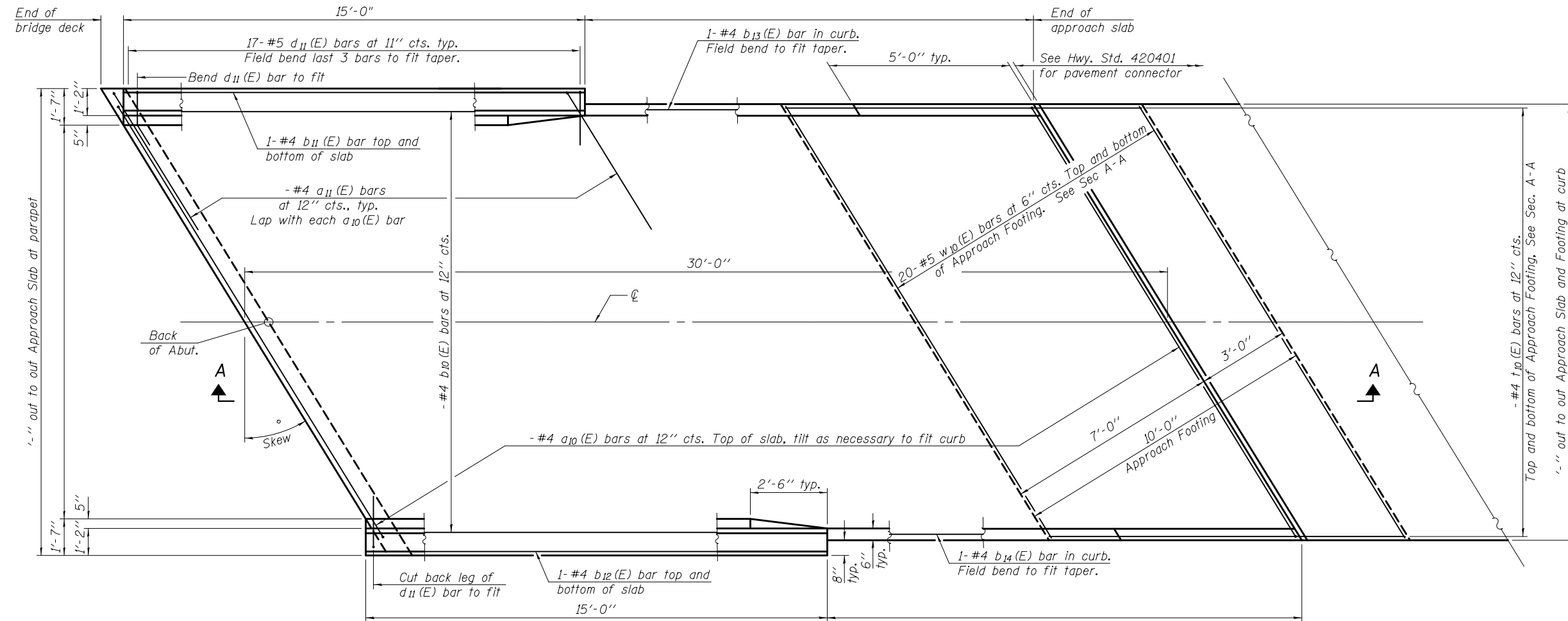
BA-P-34FS-L(30°) 11-22-2016

(Beams: 36 inch min. width; 72 inch max. width)

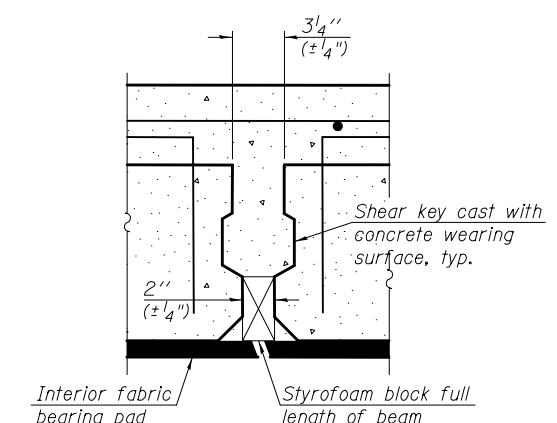
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	PLOT DATE =	CHECKED -	REVISED -							
	ILLINOIS FED. AID PROJECT									

(Sheet 2 of 3)

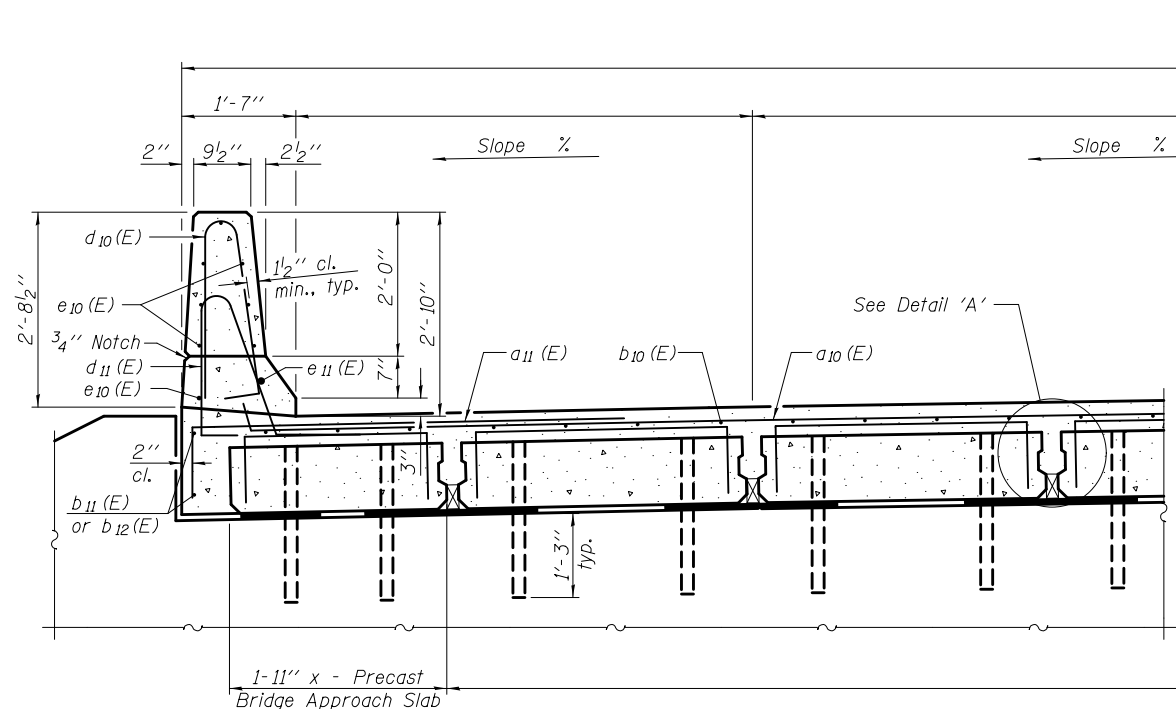




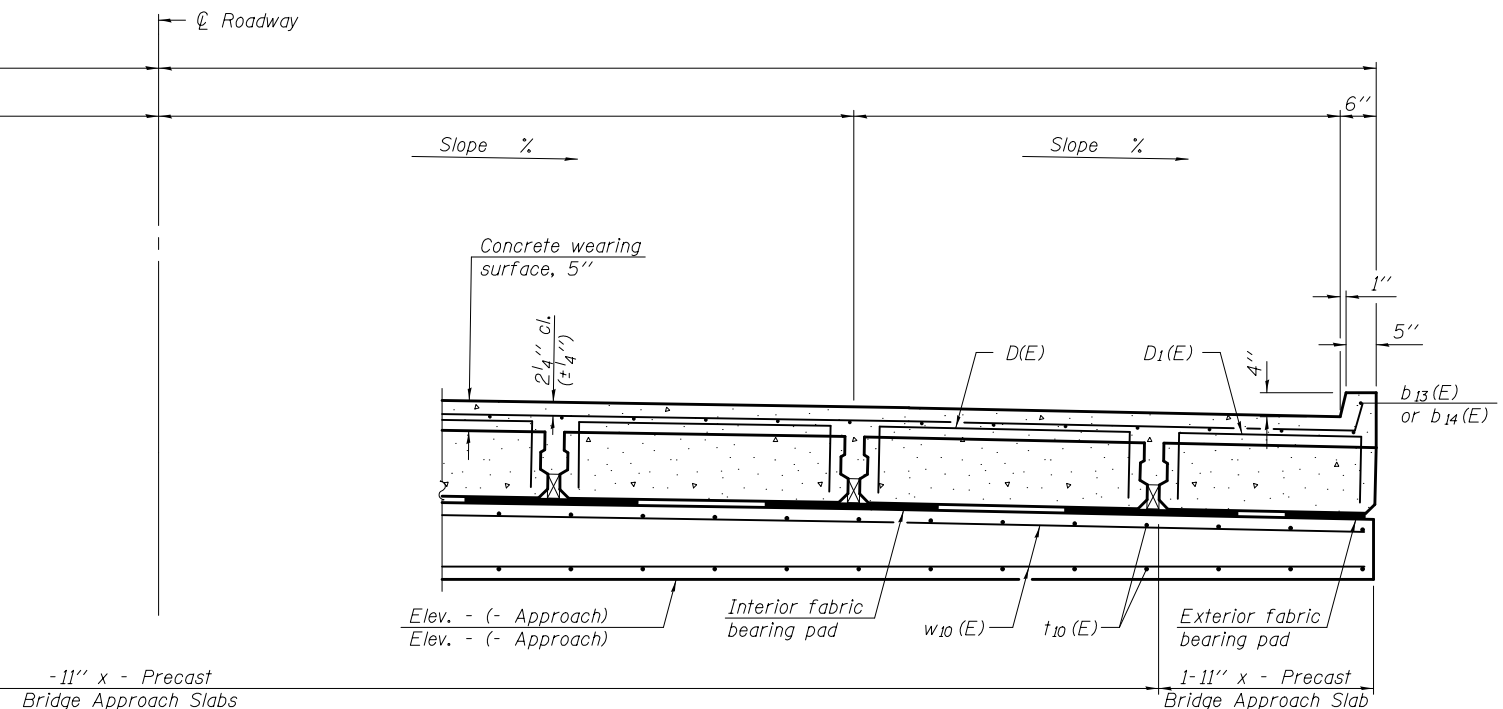
PLAN



DETAIL 'A'



NEAR ABUTMENT



AT APPROACH FOOTING

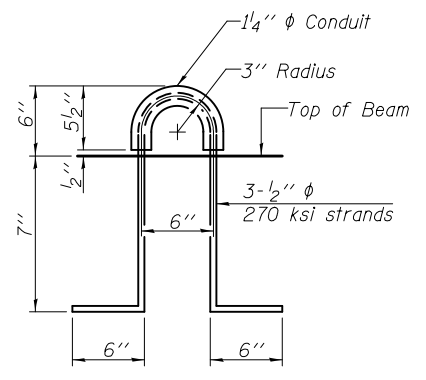
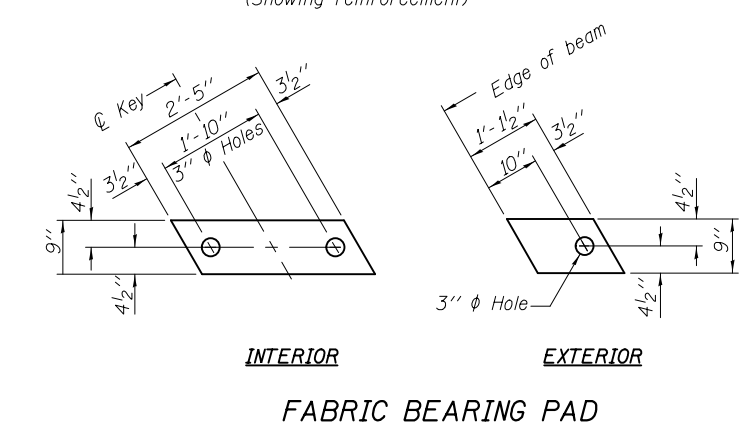
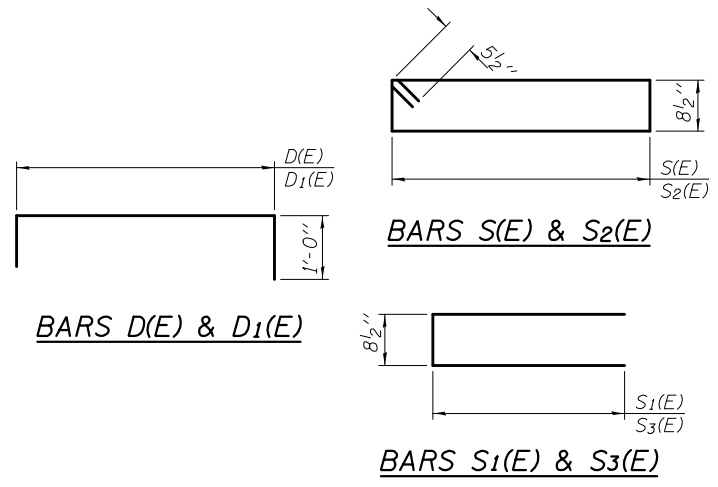
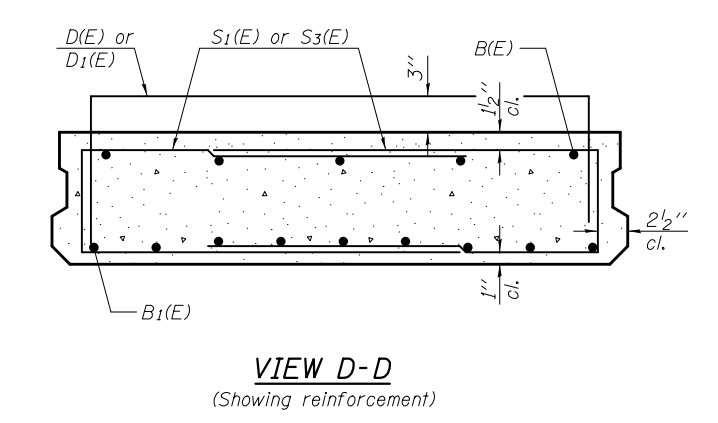
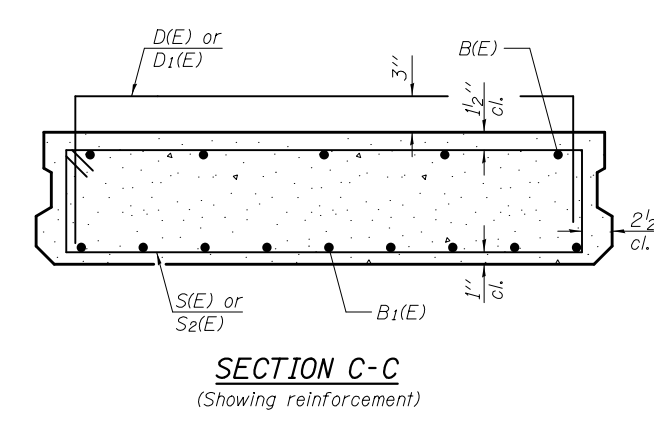
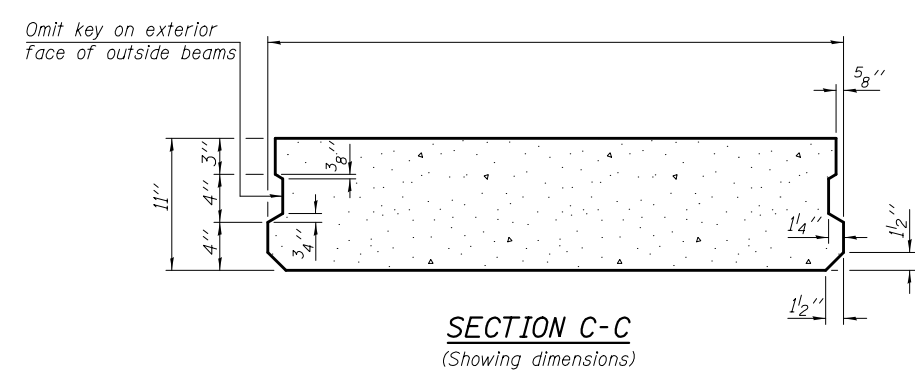
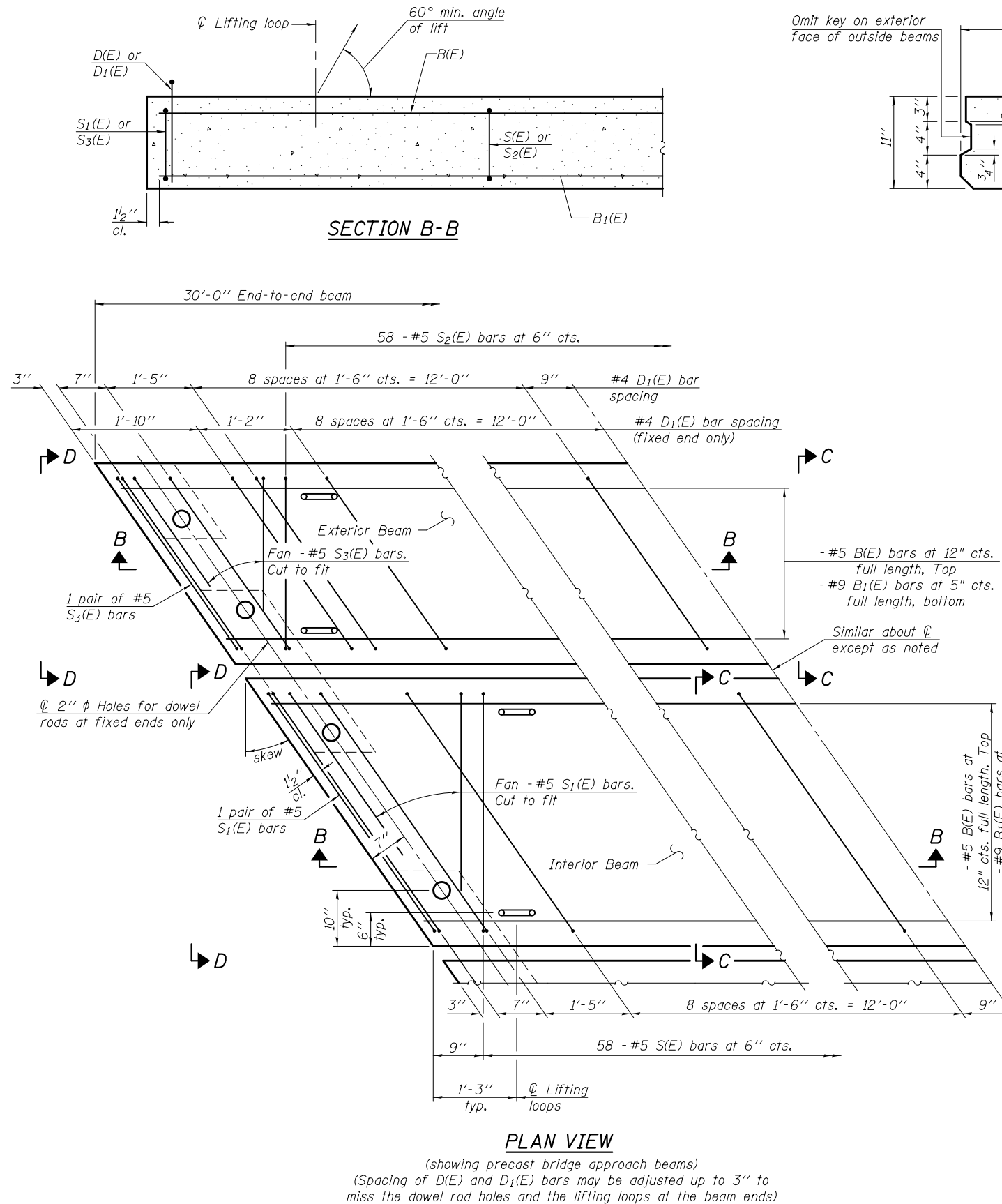
BA-P-34FS-R(>30°) 11-22-2016

(Beams: 36" min. width; 72" max. width)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST BRIDGE APPROACH SLAB  
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



Notes:

The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Bridge Approach Slab.

Cast-in-place substitution of Precast Bridge Approach Slab is not allowed.

The top surface of precast bridge approach slabs shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."

Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.

A minimum 2 1/2"  $\phi$  lifting pins shall be used to engage the lifting loops during handling.

Compressive strength of precast concrete,  $f'_c$  shall be 6,000 psi.

Compressive strength of precast concrete during initial lifting,  $f'_{ci}$  shall be 5,000 psi.

BA-P-34FS-R(>30°) 11-22-2016 (Beams: 36" min. width; 72" max. width)

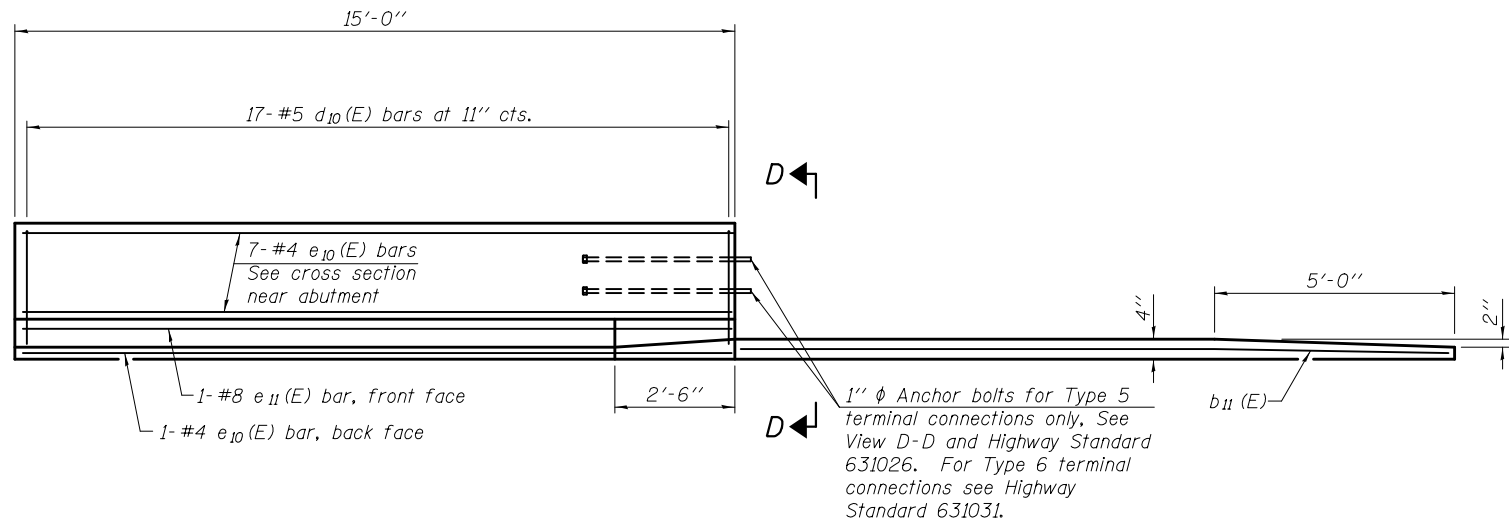
(An alternate lifting loop with a proof load of 25,000 lbs. and utilized according to the manufacturer's recommendations may be used)

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							CONTRACT NO.			
						ILLINOIS FED. AID PROJECT				

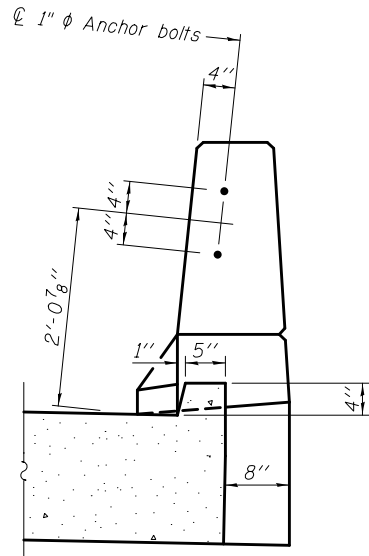




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



INSIDE ELEVATION OF PARAPET AND CURB



VIEW D-D

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

After precast bridge approach slabs have been erected, holes shall be drilled into abutment and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of precast slab and cured according to Article 1020.13(a)(3) or 1020.13(a)(5) of the Standard Specifications for a minimum of 24 hours before casting the shear keys and wearing surface.

Any concrete poured monolithically with the wearing surface, such as curbs, shall not be paid for separately, but will be included in the cost of Concrete Wearing Surface, 5".

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The strip seal shall extend 6" beyond the edge of the approach slab on each end. The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

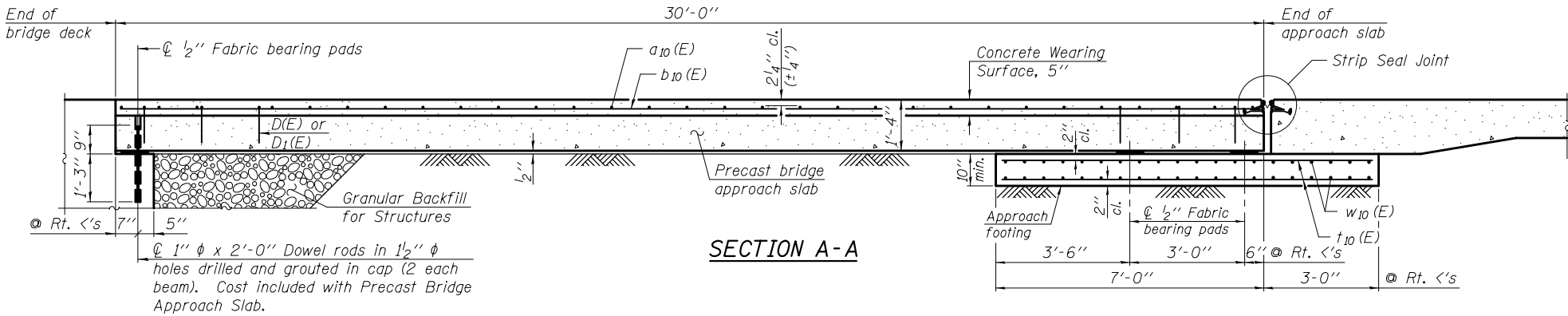
Parapet concrete shall be paid for as Concrete Superstructure.

Approach footing concrete shall be paid for as Concrete Structures.

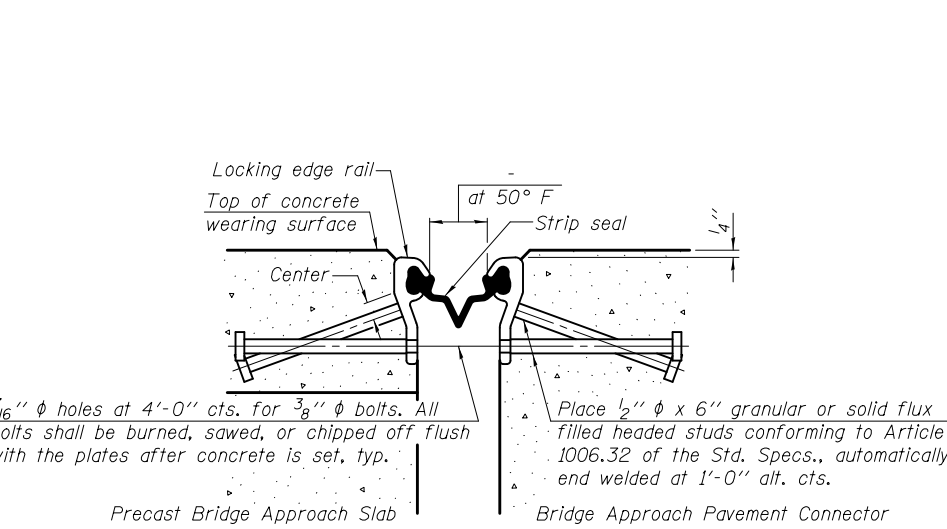
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet of .

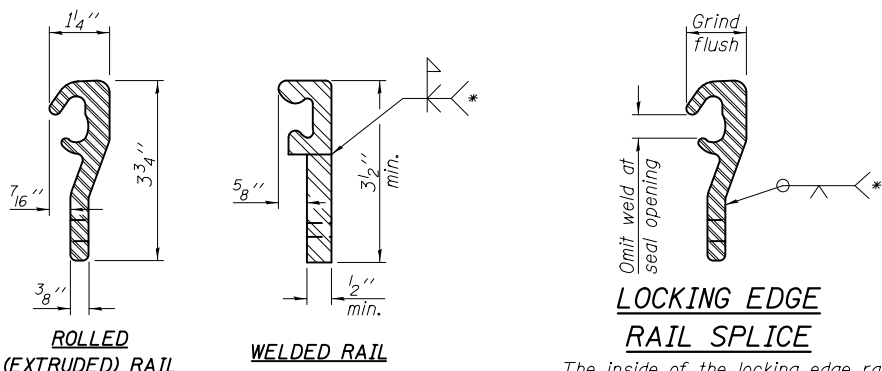


SECTION A-A



SECTION THRU STRIP SEAL JOINT

(@ Rt. <'s)



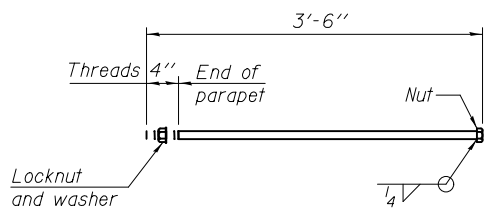
ROLLED (EXTRUDED) RAIL

WELDED RAIL

LOCKING EDGE RAIL

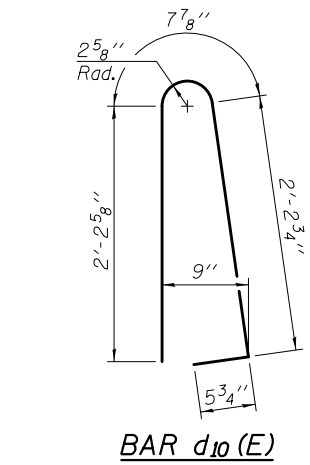
\* Back gouge not required if complete joint penetration is verified by mock-up.

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

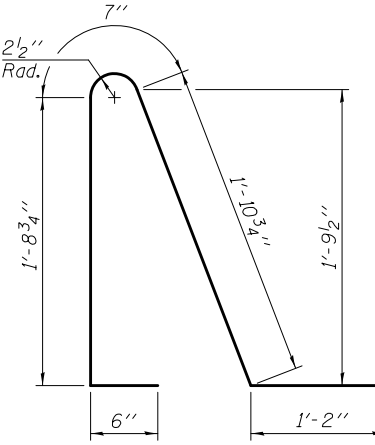


1" diameter ANCHOR BOLT

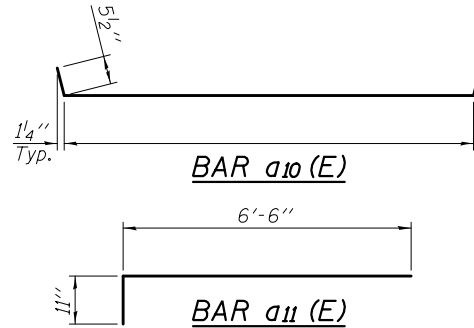
(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications. Cost of anchor bolt assemblies included with Concrete Superstructure)



BAR d10(E)



BAR d11(E)



BAR a10(E)

BAR a11(E)

TWO APPROACHES - BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)		#4		
a11(E)		#4	7'-5"	
b10(E)		#4	29'-8"	
b11(E)	12	#4	14'-8"	
b12(E)		#4		
b13(E)		#4		
b14(E)		#4		
d10(E)	68	#5	5'-7"	
d11(E)	68	#5	5'-11"	
e10(E)	32	#4	14'-8"	
e11(E)	4	#8	14'-8"	
f10(E)		#4	9'-8"	
w10(E)	80	#5		
Concrete Superstructure			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Precast Bridge Approach Slab			Sq. Ft.	
Concrete Wearing Surface, 5"			Sq. Yd.	
Preformed Joint Strip Seal			Foot	

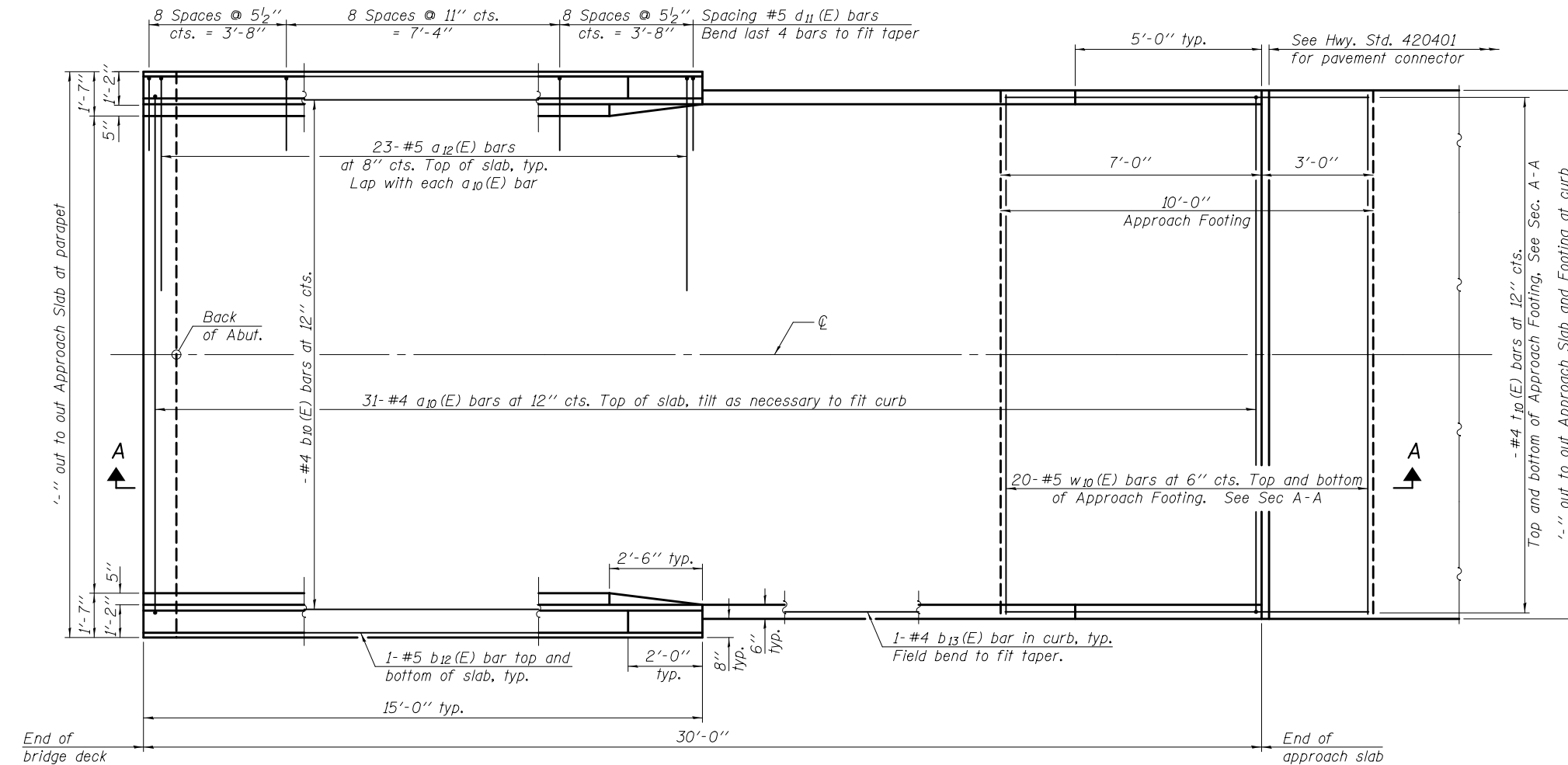
BA-P-34FS-R(30°)

11-22-2016

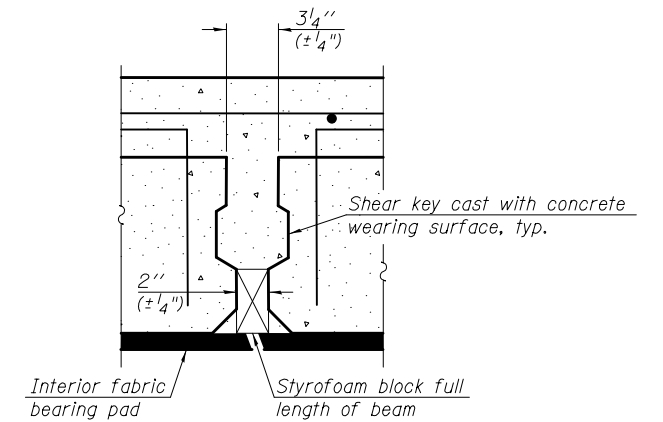
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(Sheet 3 of 3)

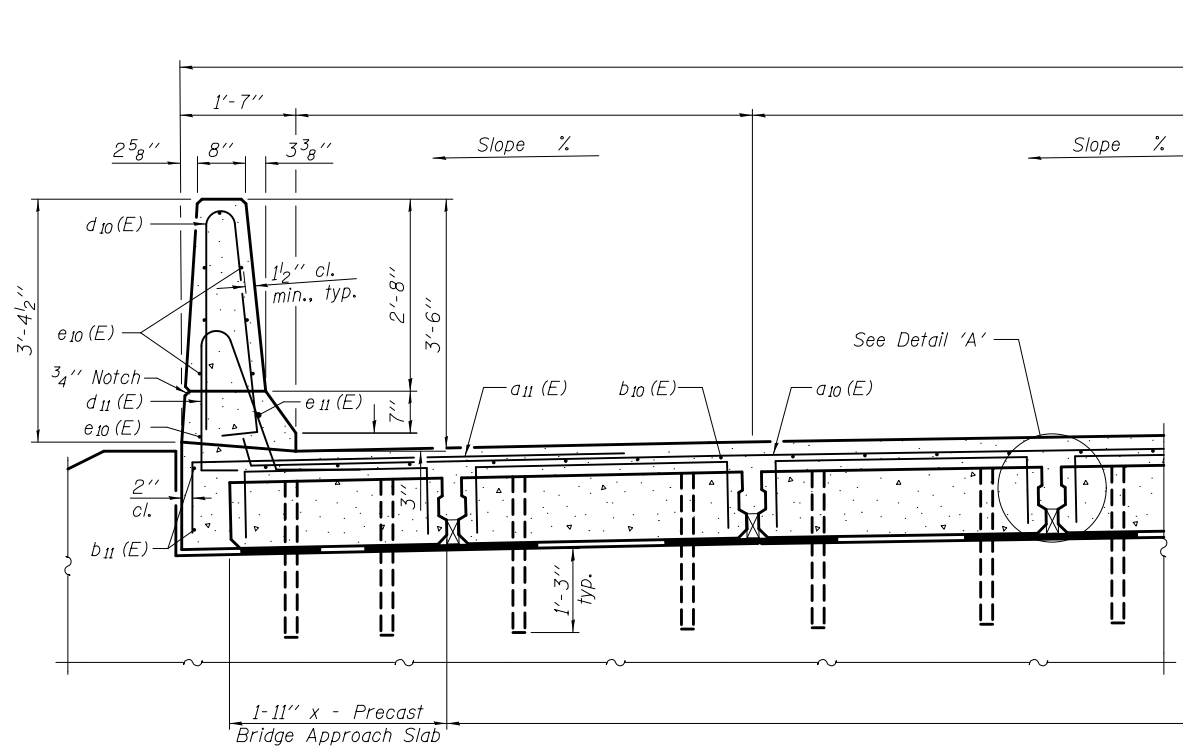
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						ILLINOIS FED. AID PROJECT				



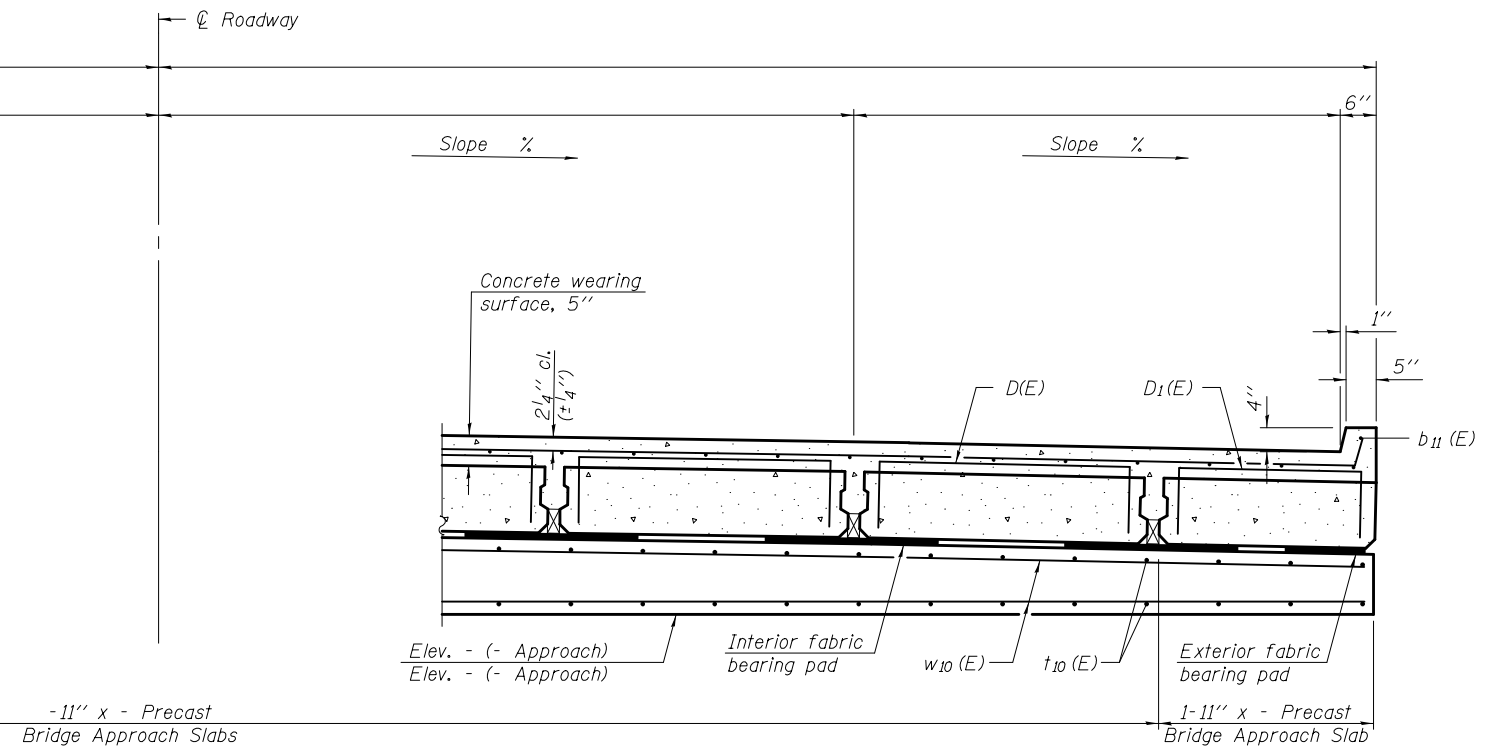
PLAN



DETAIL 'A'



NEAR ABUTMENT



AT APPROACH FOOTING

CROSS SECTION  
(Looking )

(Sheet 1 of 3)

BA-P-42FS-0

11-22-2016

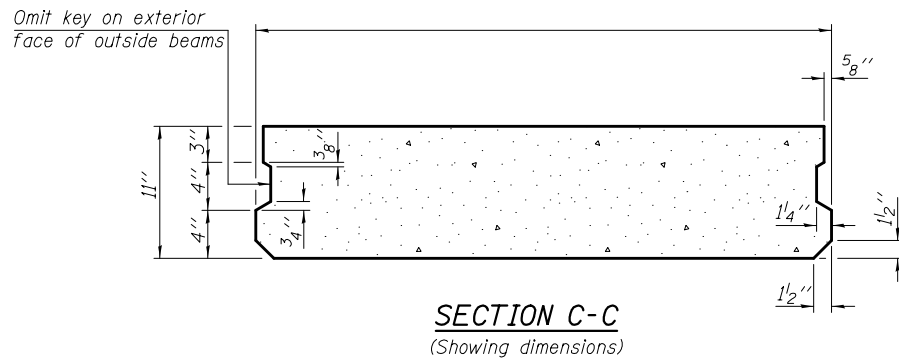
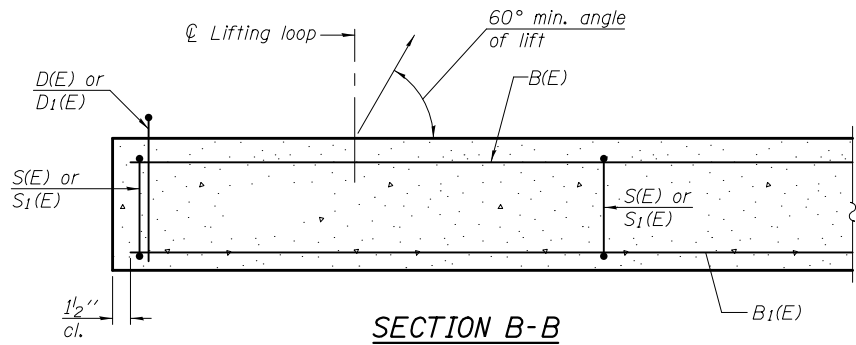
(Beams: 36" min. width; 72" max. width)

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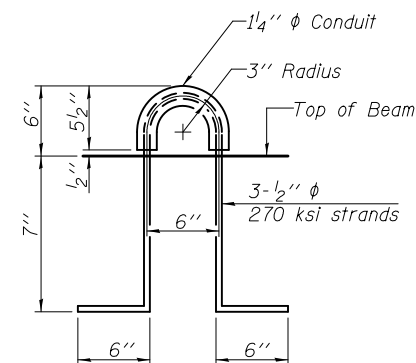
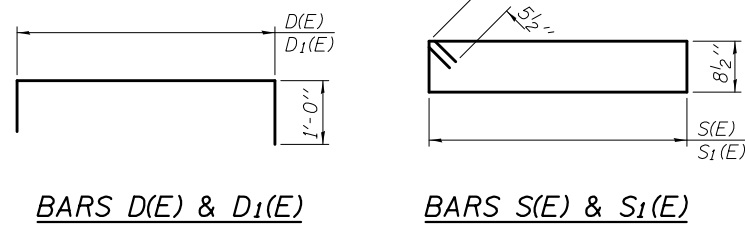
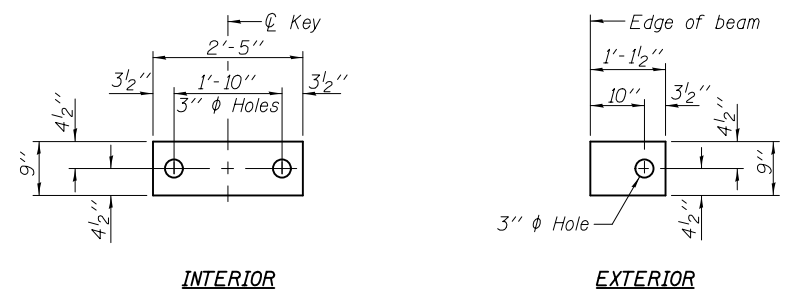
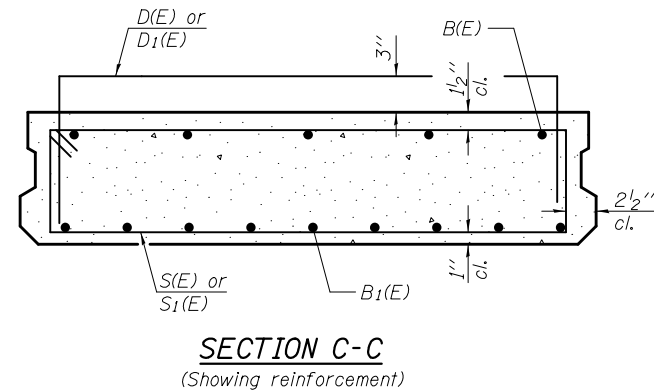
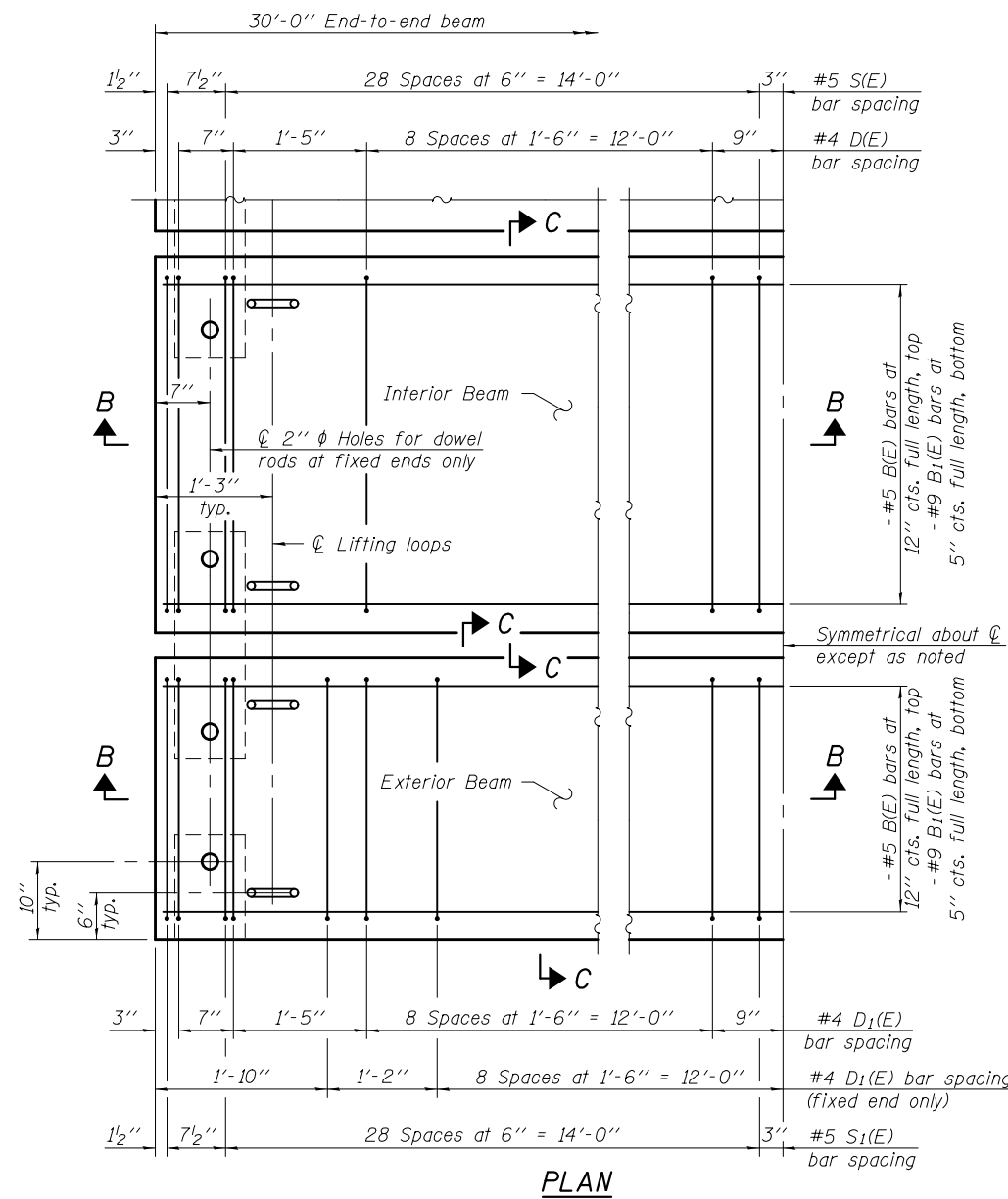
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST BRIDGE APPROACH SLAB  
STUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



Notes:  
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 Cast-in-place substitution of Precast Bridge Approach Slab is not allowed.  
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 A minimum 2 1/2"  $\phi$  lifting pins shall be used to engage the lifting loops during handling.  
 Compressive strength of precast concrete,  $f'c$  shall be 6,000 psi.  
 Compressive strength of precast concrete during initial lifting,  $f'ci$  shall be 5,000 psi.



**BAR LIST  
EACH INTERIOR BEAM**  
(For information only)

Bar	No.	Size	Length	Shape
B(E)		#5	29'-8"	—
B <sub>1</sub> (E)		#9	29'-8"	—
D(E)	22	#4		□
S(E)	58	#5		▨

**BAR LIST  
EACH EXTERIOR BEAM**  
(For information only)

Bar	No.	Size	Length	Shape
B(E)		#5	29'-8"	—
B <sub>1</sub> (E)		#9	29'-8"	—
D <sub>1</sub> (E)	32	#4		□
S <sub>1</sub> (E)	58	#5		▨

BA-P-42FS-0

11-22-2016

(Beams: 36" min. width; 72" max. width)

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST BRIDGE APPROACH SLAB  
STUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

ILLINOIS FED. AID PROJECT

(Sheet 2 of 3)

(An alternate lifting loop with a proof load of 25,000 lbs. and utilized according to the manufacturer's recommendations may be used)

